

**Implementation Test Report: Field Tryout of Close
Air Support Battle Task Measurement System**

James A. Huffman

PRC, Inc.

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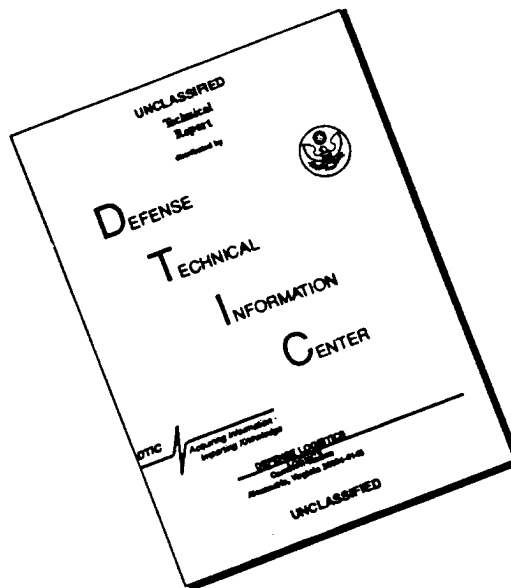
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13. ABSTRACT (Maximum 200 words) The purpose of this report is to describe the methodology and execution of the field verification test of the measurement system based on battle tasks for close air support in a Low Intensity Conflict, and to provide the results of that test. The increased emphasis on interservice operations make it both practical and worthwhile to develop an air-ground training and feedback system. Air-ground training and feedback system results, organized into a common database, would provide information that would facilitate training evaluation and development by both Army and Air Force. The data collected using such a system could also provide a quantifiable basis for further training resource requirements. This study was designed to extend a previous analysis of the utilization of close air support in mid-intensity combat to the use of close air support in a low intensity conflict. Extending the previous analysis will maximize the commonality of low intensity and mid-intensity measurement systems, which should reduce development costs and result in a more usable product.					
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**IMPLEMENTATION TEST REPORT:
FIELD TRYOUT OF CLOSE AIR SUPPORT
BATTLE TASK MEASUREMENT SYSTEM**

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I. PURPOSE

This document is the third in a series of interim reports prepared under a delivery order from Army Research Institute Contract MDA 903-92-D-0075 concerning the development of a performance measurement system for close air support (CAS) in a low intensity conflict (LIC). The purpose of this paper is to describe the methodology and execution of the field verification test of the measurement system based on battle tasks for close air support in a Low Intensity Conflict, and to provide the results of that test. The field verification test of the battle task list for close air support (CAS) in a low intensity conflict (LIC) was conducted at the Joint Readiness Training Center (JRTC), Fort Polk, Louisiana, 10-29 March 1994.

II. INTRODUCTION

As the Airland Battle doctrine continues to evolve, the need for enhanced coordination between the ground and air forces becomes ever more critical. To meet this requirement the military has instituted a number of organizational reforms, such as unified commands and an emphasis on staff training in interservice operations. The Gulf War further highlighted the need for increased training at the tactical level.

Interservice ground-air training is conducted at various levels at all the Combat Training Centers (CTC's). The National Training Center (NTC) is linked to Air Forces's Air Warrior I program which supplies CAS in a mid-high intensity combat training environment. The JRTC is supported by Air Warrior II which provides CAS in a low intensity conflict (LIC) environment. Both locations provide adequate maneuver and air space to provide realistic training to both ground and air forces.

The increased emphasis on interservice operations make it both practical and worthwhile to develop an air-ground training and feedback system. Air-ground training and feedback system results, organized into a common database, would provide information that would facilitate training evaluation and development by both the Army and Air Force. The data collected using such a system could also provide a quantifiable basis for further training resource requirements. This study was designed to extend a previous analysis of the utilization of close air support in mid-intensity combat to the use of close air support in a low intensity conflict. Extending the previous analysis will maximize the commonality of low intensity and mid-intensity measurement systems, which should reduce development costs and result in a more usable product.

A previous report, List of Battle Tasks for Close Air Support in a Low Intensity Conflict (Front End Analysis) (Report No. 1600016AB) identified the critical tasks necessary for the successful employment of close air support during low intensity operations. This report addresses the field verification test of the battle task list previously reported and provides input for modification of the battle task list. The completion of a final list of battle tasks for close air support in a low intensity conflict, combined with the outcome measures and the database will complete the development of the Battle Task Measurement System for Close Air Support in a Low Intensity Conflict.

A. Measurement System Criteria Model:

A review of A Measurement Model Supporting the Air-Ground Training Feedback System (Keesling, 1992) established that the model developed for the Air Ground Training Feedback for Close Air Support study (a study of CAS in mid-high intensity conflict) (Root, in progress) was compatible with CAS in a low intensity conflict. This measurement model identified two main areas in which performance measures must be developed. The first was "process measures" which examine the tasks that commanders and units must perform to synchronize and apply the air-ground assets effectively. The second was "outcome measures" which examine the effects of the air-ground systems on the battlefield.

Figure 1 below shows a conceptualization of the measurement model. The figure depicts the use of doctrinal and operational information sources to develop process measures. These process measures are in the form of battle tasks which must be performed by both the Army and Air Force elements involved in a unit's planning and execution of CAS. The performance measures are linked to the outcome measures with an arrow showing that variations in the performance of process tasks will result in variations in outcomes. The results of both the process and the outcome measures are then shown feeding into four separate areas or functions: providing AAR input to Army/Air force units; providing lessons learned for the Army/Air Force; making revisions to the measurement system; and, building a research database to provide data for DOTML (doctrine, organization, training, materiel, and leadership) decisions.

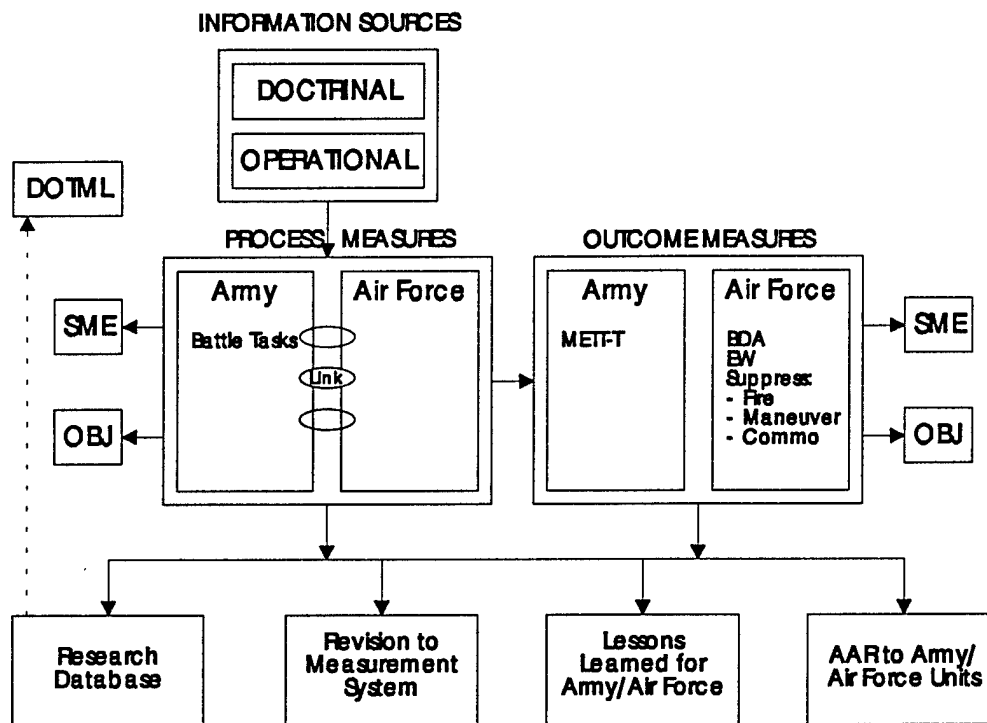


Fig 1: Schematic organization of the Battle Task and Outcome Measurement Model for the Air-Ground Training Feedback System

This model provides an operational structure with which to organize the low intensity conflict CAS measurement system. An analysis of the model's framework identified the need for both objective and subject matter expert, or subjective, inputs to both the performance and the outcome measures. Those inputs included the performance of the close air support battle tasks (unit's planning, preparation, and execution activities), the resultant mission outcomes (tactical mission success or failure, bomb damage, aircraft casualties etc.), and mission conditions (weather, terrain, type mission, etc). An additional consideration was the current training feedback processes (After Action Reviews, Mission Debriefs, etc.) being used at the JRTC, Fort Polk, and Air Warrior II, Barksdale AFB, Louisiana.

Using this analysis, the data which needed to be collected during the field verification test was identified. In addition to collecting data on the unit's employment of CAS, as described above, it was also necessary to collect data on the utility and applicability of the task list itself. The data format of the CAS Task List for Low Intensity Conflict was designed to be compatible with the Combined Arms Battle Task mission books and other analytical tools in use at the Combat Training Center Archive. An assessment form, a reconfigured task list, was designed to provide the necessary data on mission conditions and CAS employment, as well as data on task list applicability.

B. Study Methodology:

Using the above model and the procedures developed in the Air Ground Training Feedback System for Close Air Support study as a framework, the battle tasks for CAS in LIC were identified. A front end analysis was conducted to identify the specific criteria measures of battle task performance. A doctrinal review was conducted. The tasks derived from the doctrinal review were integrated with the task list from the mid-high intensity conflict study to produce a task list for low intensity operations. The candidate task list was then verified through interviews with subject matter experts (SME's) at JRTC. The task list was modified based on those interviews and published in report No. 160016AB List of Battle Tasks for Close Air Support in a Low Intensity Conflict (Front End Analysis). That task list was then verified through a field test conducted during a training rotation at JRTC.

The task list attempts to identify and address the operational requirements for employment of CAS. Due to the nature of the Combat Training Center (CTC) environment, the environment in which CAS is trained and in which this list was tested, certain training and safety restraints are imposed on the execution of CAS. An example is the prohibition against the use of the AH-64 or A-10 laser designators due to eye safety considerations. As a result, some valid tasks may not be adequately assessed in the CTC environment.

For the verification test, the CAS task list was reconfigured into forms suitable for the assessment of CAS employment during an exercise. The reconfigured task list was used to assess the employment of CAS, and the applicability of the tasks themselves, during the field test of the measurement system. Using the results of the field verification test, the CAS task list for LIC was modified and the final list is attached as Appendix A. The methodology and procedures used for the field verification test of the CAS task list are discussed below.

III. FIELD VERIFICATION TEST

A. Verification Test Purpose:

There were several purposes to the verification test. The first was to collect information on the accuracy and applicability of the close air support task list when used to assess the employment of close air support at both the brigade and task force level. Next was to determine if the correct tasks had been identified. The third was to determine if the relationship of the tasks to each other, the information flow both vertically within a section and horizontally between sections, had been accurately depicted by the order of the tasks and the similar task titles in different sections of the task lists.

The test's intent was to ensure that the task list contained all of the tasks and sub-tasks necessary to ensure a successful employment of close air support. An additional intent was to use the test to determine if the tasks identified the proper staff member responsible for completing the task. The test was also to ascertain whether the tasks appropriately identified the necessary flow of information between the different staff members and the TACP personnel. Last, it was necessary to determine if the information was collectable at the JRTC, a non-instrumented environment.

B. Methodology for the Verification Test:

The verification test was conducted during a normal rotation at JRTC. Observer/Controllers (O/C's) at the brigade and task force level assessed the unit's employment of close air support and evaluated the CAS task list. The forms used by the O/C's were designed to collect data about unit performance as well as the suitability of the CAS task list.

The O/C's performed their normal duties of observing and coaching the unit in training. As the unit performed its normal planning, preparation and execution of its mission, the O/C's observed whether those tasks identified as relating to CAS had been accomplished. The O/C's made the appropriate assessment entries on the forms, or in the booklets that were developed for the verification assessments (see "Data Collection Plan" below). While observing the unit's actions, the O/C's also evaluated the task list, identifying any tasks that were not done or were not appropriate for the mission. Assessments of the task list were entered in the booklets. Any additional remarks necessary to explain or amplify the assessments could be entered in the remarks section for each task. A summary of remarks pertaining to the task list made during the field verification test is attached at Appendix B.

There are six primary or special elements in the staff of a maneuver unit that have functions that are concerned with CAS. Those six primary or special staff elements are: operations, fire support, intelligence, air defense, aviation, and signal. Each of these is observed by a different O/C at the training center. The CAS related tasks that a maneuver unit staff must perform are distributed among these elements, and some tasks are about linkages among them. To assess both the relevance of specific tasks and the degree to which the needed linking tasks had been correctly identified, all of the maneuver unit staff tasks were duplicated in each of the booklets which were given to the six different staff-level O/C's. O/C's were to assess only those

tasks that they thought were the responsibility of their sections from the entire list and no O/C was given an indication of which he ought to fill out. O/C's were not given a fixed number or list of tasks. Tasks that were not necessary or that were not clearly in a specific area of responsibility would be identified by the fact that they were left unassessed by any O/C.

Air Force Tactical Air Control Party (TACP) O/C's were to collect the data on the unit's TACP's planning, preparation, and execution of CAS. Air Force AFAC personnel and contractor personnel were designated to collect the information on the AFAC planning and preparation tasks. In addition, information on air control orders (ACO), air tasking orders (ATO), sortie allocations, availability of aircraft, preplanned and immediate air requests and bomb damage assessment (BDA) was collected at the Training Analysis and Feedback Facility (TAFF).

Also, three Electronic Collection Instruments (ECI) were made available for use by selected O/C's for collection of the same information electronically. Forms were installed on the ECI which replicated the paper booklets. A training feedback questionnaire was prepared to examine the O/C's opinion of the usefulness, accuracy, and completeness of the CAS task list. The questionnaire was administered at the completion of the rotation to each of the O/C's participating in the verification test. (Sample of the questionnaire and summary of the results is at Appendix C.)

Upon return from JRTC, all of the data were analyzed, and comments/data relating to the evaluation of the CAS task list were separated from the assessment of the unit's employment of CAS. The resulting comments were then integrated into the task list to produce a final task list for close air support in a low intensity conflict, and the data from the forms were entered into the database for future use.

C. Data Collection Plan:

The CAS task list was divided into seven sections: "Maneuver Planning", "Maneuver Preparation" (for the maneuver unit staff activities), "TACP Planning", "TACP Preparation", "AFAC Planning", "AFAC Preparation", and "Execution". In addition, the maneuver unit sections (Maneuver Planning and Maneuver Preparation) were further divided into six sections for the six primary or special staff elements identified as having input to CAS: "Operations", "Fire Support", "Intelligence", "Air Defense", "Aviation", and "Signal". These sections were then reduced in size, printed, and bound into booklets approximately 5.5" by 8.5" in size so that they would fit in the BDU trousers' cargo pocket. (One set of the booklets is attached as Appendix D.) This resulted in a total of seventeen (17) task list sections, each of which was a separate booklet to be filled out. In addition to the paper collection forms (the booklets), the Electronic Collection Instrument (ECI) was used by selected O/C's so that there would be both paper and electronic data collection conducted. The ECI was used to demonstrate that data collection and input to a database could be streamlined by using this technology.

All 17 task list sections were filled out at both the brigade echelon and the task force echelon (for two task forces) for each mission. For the maneuver planning and preparation sections, this was three missions. The TACP planning and preparation task lists were filled out for each day that CAS was planned. The AFAC planning and preparation task lists were filled

out on each day that missions were flown. The execution task list was filled out by the TACP O/C's for every CAS mission flown.

Each O/C using the ECI was instructed to select a form to fill out that matched the area for which the O/C was responsible and the phase of the mission being evaluated. The O/C's using the booklets were given the booklet identified for O/C's area of responsibility or staff section at the beginning of each mission.

After selecting, or being given, the appropriate form, the O/C's filled in the header information on the form, which included: rotation, training day, O/C identity, Unit Mission, CAS Mission, and Unit. This allowed each data collection form to have a unique identifier compiled from the header information on the form.

Recognizing that different observer/controllers (O/C's) might assess the tasks from any single section, the O/C's were instructed that any O/C's inputting to a form should be from the same section (e.g., Only intel O/C's contribute assessments to the "Maneuver [Intelligence] Planning" section). One or more O/C's could contribute to the form for a given mission over the time period for that mission. O/C's were instructed to use a separate form or page for their individual comments, even if there was a form already started. See Figure 2 below for the assessment scale and definitions that were provided to the O/C's.

NOT DONE: Unit should have performed the task listed, but did not attempt to perform it.

NOT ADEQUATE: The unit did not perform the task to standard.

MARGINALLY ADEQUATE: The unit successfully performed the task with some shortcomings. The shortcomings were not severe enough to require complete retaining.

ADEQUATE: The unit successfully performed the task to standard. The performance was free of significant shortcomings.

SUPERIOR: The unit exceeded the standard by a significant margin. Unit performance of the task stands out to the extent that it should be cited in the TF AAR. Remarks section should be used to sketch any TTP's that should be relayed to appropriate service schools.

NOT OBSERVED: Unit performed or attempted to perform the task, but O/C did not observe the performance or the outcome.

NOT APPLICABLE: The task is not performed by this type or echelon unit. This task is not applicable to the battlefield operating system being evaluated by the O/C. The task was not relevant to the given mission.

Each major task is followed by a remarks section for any additional comments or explanation of the assessment.

Figure 2: Task Assessment Scale.

In addition, the O/C's were given instructions on required and optional assessments. See Figure 3 below for the instructions on required assessments.

If a major task is assessed "ADEQUATE" or better, then the subordinate tasks need not be addressed unless they are "NOT ADEQUATE".

If a subordinate task is "NOT ADEQUATE", it should be assessed even if the overall task is judged "ADEQUATE" or better.

If a major task is assessed as "NOT ADEQUATE", then all the subordinate tasks need to be individually assessed to identify, in more detail, the rationale for the overall "NOT ADEQUATE" assessment.

If the subordinate tasks do not adequately explain why a major task is being assessed "NOT ADEQUATE", the remarks section should be used to identify the additional factors which caused that assessment.

Figure 3: Required Assessments.

The booklets, and the forms prepared in the ECI, were given distinctive names and two letter identification codes to facilitate data entry of uniquely identified responses into the database. Each numbered or lettered task and subtask was designed to have a unique task data element field identifier consisting of the one or two letter form prefix identifying the section (see Figure 4 for the names and corresponding codes) and the complete task number. The apparent duplication in the letter prefixes is eliminated when the task numbers are added since the planning and preparation phases for any given section are numbered consecutively (e.g. "TACP Planning" section is tasks G01-G28 and "TACP Preparation" section is tasks G29-G35).

<u>FORM NAME</u>	<u>FORM PREFIX FOR TASK ID</u>
MANEUVER [OPERATIONS] PLANNING	MO
MANEUVER [FIRE SUPPORT] PLANNING	MF
MANEUVER [INTELLIGENCE] PLANNING	ML
MANEUVER [AIR DEFENSE] PLANNING	MD
MANEUVER [AVIATION] PLANNING	MV
MANEUVER [SIGNAL] PLANNING	MG
MANEUVER [OPERATIONS] PREPARATION	MO
MANEUVER [FIRE SUPPORT] PREPARATION	MF
MANEUVER [INTELLIGENCE] PREPARATION	ML
MANEUVER [AIR DEFENSE] PREPARATION	MD
MANEUVER [AVIATION] PREPARATION	MV
MANEUVER [SIGNAL] PREPARATION	MG
TACP PLANNING	G
TACP PREPARATION	G
AFAC PLANNING	A
AFAC PREPARATION	A
CAS EXECUTION	GA

Figure 4: Form and Task Identifier Codes.

D. Conduct of the Verification Test:

The field verification test of the List of Battle Tasks for Close Air Support (CAS) in a Low Intensity Conflict (LIC) was conducted at Fort Polk, LA, 9-30 March 1994, during Rotation 94-5.

Initial contact was made with the JRTC Operations Group and the observer/controller (O/C) teams. O/C teams for the brigade and task forces (TF) 1 and 2 were briefed on the purpose and background of the field verification and on the mechanics of conducting the verification. The Air Force O/C element was briefed separately.

The brigade briefing included the Brigade Senior O/C and O/C's from operations, fire support, intelligence, air defense, aviation, and signal sections. The task force briefings included the TF senior O/C's and O/C's from operations, fire support, intelligence, air defense, and signal sections. Since aviation units are not normally attached to maneuver units below brigade, there were no aviation O/C's at the task force level. Two Air Force TACP/ALO O/C's were briefed along with one enlisted terminal attack controller (ETAC). The observer/controllers who were briefed and who participated in the verification test are listed at Appendix B. The list includes O/C team configurations and the O/C's are identified by their call signs.

CAS booklets were passed out to the brigade O/C's after their briefing. The Air Force O/C's were trained on the use of the ECI and were to utilize it to input their assessments. The Commander, Operations Group (COG) was briefed on the verification exercise. TF 1 and TF 2 O/C personnel were briefed again at the Intermediate Staging Base (ISB) at England AFB, Alexandria, LA and the CAS task list books were passed out to them after the briefings.

Data collection and task list validation was conducted using the reduced size, bound booklets containing the required tasks for the maneuver units. Initially, the tactical air control party (TACP), and the airborne forward air controller (AFAC) O/C's were trained on the Electronic Collection Instrument (ECI) for use as primary means for the data collection. Several days into the verification, the ECI software displayed problems with allowable file length. The ECI file could not hold all of the records generated from the start of the rotation through the current mission. Rather than trying to download all records and clear the machines, the Air Force O/C's were given booklets to complete their assessments.

Maneuver unit O/C personnel were provided the booklets at the beginning of each of the three phases of the rotation (forced entry, defense, and offense) and the books were collected during the preparation for the AAR for that phase. Air Force O/C's were provided sufficient books to cover the entire rotation when problems developed with the available file length on the ECI.

At the end of each of the three phases of the rotation, the CAS task books were collected from maneuver unit O/C's representing the BOS/Staff sections (operations, fire support, intelligence, air defense, signal, and aviation) for the brigade and the two task forces. Aviation was only represented at the brigade level. Sixteen (16) books were collected (10 TF and 6 brigade) for each phase resulting in a total of 48 evaluations using the books for the maneuver units.

Figure 5, below, is a schematic describing the rotation's tactical operations. The schematic is organized by day, starting with D-4 when the Brigade received the Division OPORD for Phase 1. All days are designated relative to "D-Day" which designates the start of the maneuver unit's execution of the first mission. Shown are the major unit activities for each day. Listed below the dashed line on each day is the major verification test activity for that day.

D-4 Receive Div. OPORD for forcible entry	D-3 Issue - BDE OPORD	D-2 Issue TF OPORD's	D-1 Rehearsal
PLANNING	PREPARATION	PREPARATION	PREPARATION
Phase I: CAS booklets issued, to BDE O/C's	Observe BDE TOC Opns and Targeting	Observe TF Opns CAS book issued to tf O/C's	Observe night CAS
D-Day Night Air Assault	D+1 Receive Div. OPORD for Defense	D+2 PAUSEX Issue BDE OPORD. AAR's	D+3 Air movement to defense area
EXECUTION	EXECUTION & DEFENSE PLANNING	DEFENSE PREPARATION	DEFENSE PREPARATION
Observe night CAS	Exchange BDE CAS books	Exchange TF CAS books, observe AARS	Secure copies of Phase I CAS sortie data
D+4	D+5	D+6 OPFOR Attack BDE Defend	D+7 OPFOR Attack BDE Defend
DEFENSE PREPARATION	DEFENSE PREPARATION	DEFENSE EXECUTION	DEFENSE EXECUTION
Start Phase I data entry on ECI -	Observe BDE ALO OPNS, observe night CAS	Exchange TF CAS books	Review CAS Book data, phases 1 + 2
D+8 Issue BDE OPORD	D+9	D+10 TF Recon	D+11 BDE Attack
DELIBERATE ATTACK PLANNING	DELIBERATE ATTACK PREPARATION	DELIBERATE ATTACK PREPARATION	DELIBERATE ATTACK EXECUTION
Exchange BDE CAS Books	Review CAS book data, Phase I + II	Secure Phase II sortie data	Secure Phase III sortie data collect all CAS books

Figure 5: Rotation Activity Schedule and Summary.

The Air Force O/C's filled out a TACP planning and preparation book for each day that CAS sorties were scheduled. On a number of those days the air was cancelled due to weather. In addition, the AFAC books were filled out when the aircraft arrived on station. Only one AFAC pre-flight book was filled out by the Air Warrior II Commander who was flying as the AFAC. The information for the AFAC on-station preparation was not fully collected due to difficulties in identifying and getting to a location where both the AFAC and the ground FAC/TACP personnel could be heard over the radio.

An additional distractor to the data collection effort on the part of the Air Force O/C's was the joint tactics validation exercise that was conducted at the same time as the rotation. This validation was conducted in cooperation with the unit going through the rotation. They provided attack helicopters for night JAAT missions with specially equipped A-10's. The unit deployed with extra aircraft so that the validation would not handicap the brigade in its rotation activities. However, Air Force O/C's were required to assist in ground control of the validation exercises on four nights during the rotation. Due to the limited number of Air Force O/C personnel available for the rotation, this restricted their daytime availability during the same period to observe the planning and preparation by the unit TACP's.

A summary of the air sorties scheduled for the rotation, the missions requested by the tactical unit, and the missions flown is on the next page. Each day on the chart is divided into three sections by dashed lines. The top section shows the aircraft sorties scheduled by the JRTC in anticipation of unit requirements, based on past experience, the scenario, and availability of aircraft from the supporting unit. The center section shows the air support requested by the unit for that day. The chart does not show when air support was requested (how far in advance of the requested time of execution). The bottom section shows the flight activity for that day. It will indicate how many sorties were flown, reasons for not flying, and BDA assessed, if any.

D-4	D-3	D-2	D-1
Schedule			2 Sorties
Requested			
Flown and BDA			2 Sorties - Night Non-Illum CAS <u>No BDA</u>
D-Day	D+1	D+2	D+3
2 Sorties	2 Sorties		2 Sorties
Photo Recce (preplan)	Photo Recce (immed) CAS - Pers in Open, immed.		Preplan - Pers. + Veh. Immed - Photo Recce
2 Sorties - Night Recce <u>No BDA</u> (Photo Recce imagery provided)	Weather Cancel (Recce denied, out of unit sector) <u>No BDA</u>		Weather Cancel <u>No BDA</u>
D+4	D+5	D+6	D+7
2 Sorties	6 Sorties	6 Sorties	(added 2 Sorties)
Preplanned - Vehicles	Preplan - Bridges Preplan - Vehicles (4 Targets)	Preplanned - Armor Vehicles	Preplan - Armor Vehicles Preplan - Armor Vehicles (2 Targets)
Night Recce <u>No BDA</u> (Denied - No A/C for times requested - DIVARTY will fire)	2 Sorties - Maint. Cancelled 4 Sorties - Armed Recce (Brigades denied - out of sector) <u>No BDA</u>	Weather Cancel <u>No BDA</u>	Weather Cancel <u>No BDA</u>
D+8	D+9	D+10	D+11
4 Sorties	4 Sorties	4 Sorties	2 Sorties
Immed - Pers. + Equip Immed - Pers dug in + armor	Preplanned - Pers + Armor in oven (4 tgts) Immed. Pers + Veh.	Preplanned Bridge + Supply ft. Immed. - Pers + Veh.	Preplan - Tanks - Pers. dug in
4 Sorties flown 4 sorties - <u>BDA</u> - SA8 with truck + trailer, Zsu - 23-4, 5 trucks	Weather Cancel <u>No BDA</u>	Weather Cancel <u>No BDA</u>	2 sorties <u>BDA</u> - 9 O/C vehs.

Figure 6: Close Air Support Activity Summary (Scheduled, Requested, and Flown Sorties, with BDA.

IV. VERIFICATION TEST RESULTS

The following sections discuss the outcomes of the field verification test. The first section addresses recommendations for changes to the task list made by the O/Cs. The second section is an analysis of task applicability and suitability based on frequency of assessment. The third section is a summary of the results of the Training Feedback Questionnaire administered to the O/Cs participating in the test.

A. Verification Test Task List Recommendations:

Listed below are the comments made by the O/C's and the analysis and responses to their recommendations for changes, additions or deletions to the close air support task list for LIC. O/C comments that were assessments of the unit's employment of CAS are not addressed. A complete list of all O/C comments is included in a task remarks comparison report at Appendix B. The comments and analysis are organized by functional area or section. Under each section heading, the O/C comments are listed first, followed by the analysis and recommendations. Within each section, the comments are organized by task number, but, not by echelon or mission. Sections where no comment or recommendation was made, or where the only recommendation was reference the non-applicability of tasks that were not in the O/C's functional area, but were in another O/C's area are not analyzed.

Some additional explanation is necessary reference the frequent comment that a particular task is "Not normally done at Bn level". The front end analysis determined, for a variety of reasons, that the brigade echelon was the level where CAS was most likely to be planned and the level where it could be best assessed. There was only one opportunity to conduct a verification test of the task list at JRTC. Because most of the same tasks would apply to the battalion, if CAS was allocated to them, it was decided to include the battalion echelon in the verification test to expand the database for the verification of those tasks that could be assessed at the battalion level.

B. Maneuver [Operations] Planning:

O/C Comments

Not a maneuver task - M3, M4, M5, M7, M8, M9, M10, M11, M12, M13, M14, M15, M18, M19, M24

Task M21: Determine what air is available - Subtask "c.5) Projected tanker support." Doesn't need.

Book is too long. Much of this data is already collected in our BDM Green Books. Narrow data collection down to essential questions. O/C's already have a lot of data collection requirements. The more time I spend checking blocks in a book, the less time I have to teach, coach & mentor. I understand the importance of data collection but the

requirements must be realistic and integrated with our other data collection tasks to avoid redundancy.

Not enough USAF O/Cs. I maybe see an Air Force O/C working with an ALO once or twice a rotation. The O/C needs to spend much time with his counterpart to determine training strengths & weaknesses. This means being present at 0200 hrs when the staff is involved with as orders process. This will ultimately lead to better trained ALO's, Army Cdrs & staffs, and more thorough data collection.

Analysis and Recommendation

Comments about a specific task being "Not a maneuver task", or Not Applicable" helped to identify those tasks that required input from other functional areas or from just one functional area. An analysis of the tasks for which this comment was made indicate that what the O/C meant was "Not an operations task" since the tasks are all maneuver unit tasks. The design of the data collection books for the maneuver unit data insured that each of the functional area books contained tasks from all the functional areas for the purpose of identifying single and multiple input tasks. The consolidation of the maneuver tasks into one book renders the comment moot, since there will only be one maneuver unit book with tasks from each functional area. This applies to similar comments that were made by almost all the O/Cs.

Comments about the book being too long, the data being collected in other forms, and there not being enough Air Force O/Cs, while probably correct, are not relevant to the applicability of the tasks in this task list and are not addressed. In addition, while some of the data may be collected in other forms, there is no mechanism for rapid transmission and cross leveling of information between O/C functional areas.

Task M21: Subtask "c.5) Projected tanker support." should be deleted.

C. Maneuver [Operations] Preparation:

O/C Comment

Not a maneuver task - M27, M28, M29, M30

Analysis and Recommendations

See analysis of Maneuver [Operations] Planning, above.

D. Maneuver [Fire Support] Planning:

O/C Comment

Not Applicable - M3, M4, M5, M7, M10, M12, M18,

Task M7: A2C2 element identify or develop air control measures - Not applicable at the battalion level.

Task M14: Plan JSEAD - JSEAD normally planned at Bde not Bn level.

Analysis and Recommendations

See discussion at beginning of this section.

While Task M7 (A2C2 element identify or develop air control measures) and Task M14 (Plan JSEAD) may not normally be planned at Bn level, they are at Bde level and the information, at least, should be known at Bn level in the event that they receive a hand off of CAS for execution.

E. Maneuver [Fire Support] Preparation:

O/C Comment

Task M29: Confirm communications - Air Force [TACP/ALO] says some regulation prevents them from giving authentication tables to FO's during peacetime.

Analysis and Recommendations

Comment on Task M29 (Confirm communications) that Air Force [TACP/ALO] say some regulation prevents them from giving authentication tables to FO's during peacetime may be correct. The sub-task that references authentication is mis-stated, as pointed out by the TACP O/Cs, and should have read "[KTC 1655 B for training]" rather than just the "[AKAC 1553]" which is classified. There is no prohibition against the issuance of the KTC 1655 B and there is a sample authentication table available at Appendix B of TC 90-7, "Tactical Air Control Party/Fire Support Team (TACP/FIST) Close Air support Operations". The task is still a requirement in other than training situations and needs to be trained.

F. Maneuver [Intelligence] Planning:

No recommendations made.

G. Maneuver [Intelligence] Preparation:

No recommendations made.

H. Maneuver [Air Defense] Planning:

O/C Comment

Not required of ADA platoon leader in reference to CAS at the battalion level - M2, M3, M6, M8, M13, M15, M16, M17, M19,

Task M9: Establish communications - IFF is not "played" at JRTC due to MILES restrictions.

Analysis and Recommendations

See analysis of Maneuver [Operations] Planning and battalion echelon discussion, above.

Comment on Task M9 (Establish communications) that IFF is not "played" at JRTC due to MILES restrictions may be accurate but the coordination for that information is required for complete training in preparation for other operations.

I. Maneuver [Air Defense] Preparation:

O/C Comment

Not required of ADA platoon leader in reference to CAS at the battalion level - M27, M28, M30

Task M28: Confirm airspace control measures - Not done at Bn level.

Task M29: Confirm communications - This is not applicable because IFF procedures are not tested or used at JRTC due to the MILES system. If the STINGER/AVENGER MILES integrates the IFF system, then task M29b will be applicable.

Task M30: Deconflict airspace - Not done at Bn level.

Analysis and Recommendations

See analysis of Maneuver [Operations] Planning and battalion echelon discussion, above.

The comment that tasks M27, M28, M30 are not required of ADA platoon leader in reference to CAS at the battalion level does not eliminate the requirement for those tasks at Bde level nor does it eliminate the requirement for the information from those tasks to be distributed to Bn level.

Reference comment on Task M29 (Confirm communications) that this is not applicable because IFF procedures are not tested or used at JRTC due to the MILES system, see comment on Task 9 and comment on authentication tables, above. The "black box" IFF capability not played due to MILES incompatibility is only a small part of the requirement to confirm communications and authentication for all other coordination, command and control needs.

J. Maneuver [Signal] Planning:

O/C Comment

Task M8: Determine communications requirements - Subtask "b. Determine communications requirements with ground forces, air forces, and Army aviation." Need to develop a standard Army -Air force communications worksheet/matrix to depict communications requirements, callsigns, frequencies, and info flow.

ALO and ground force Signal Officer along w/ A2C2 staff elements must develop and publish as part of a ground force OPORD the air-ground or A2C2 communications architecture based on communications requirements in "b." above.

Task M9: Establish communications - Subtask "a. Request air force frequencies (in ATO) and provide to army aviation and others, as required." Must be a standard on who must be in nets and what information must be passed on what net!

Again: A standard communications plan/chart for Army - Air Force communications will make coordination and integration more successful so synchronization will be achieved.

[Subtasks] "a" and "b" should be part of the A2C2 communications architecture as discussed on previous page [Task M8].

New item should be added: Coordinate for frequency support through Division (Army) Assist Div Signal Officer. Example: When ALO has problems with HF freqs propagation, the Army frequency manager can help.

Task M9: Establish communications - [subtasks] a & b done at higher level of command - not Inf Bn ALO.

Not Applicable - M3, M4, M5, M6, M7, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M30

Analysis and Recommendations

Reference comments on Task M8 (Determine communications requirements) and Task M9 (Establish communications); there is a need to develop a standard Army/Air Force

communications worksheet/matrix to depict communications requirements, call signs, frequencies, and info flow, a doctrinal A2C2 communications architecture.

Also, there should be, and probably is, a doctrinal standard on who must be in nets and what information must be passed on what net. However, the diagrams and text in FM 100-103 (A2C2 in a Combat Zone) and TACP 50-22 (TACP/FIST CAS Operations) address only the direct C2 and vertical communications links and not the requirements for coordination or monitoring of the different nets. For example, the diagrams show everyone linked to the brigade or battalion TOC and then the ALO linked to the Air Force, the FSE linked to the artillery battalion, the ADA LO linked to the ADA unit, etc.

The development of a standard communications plan/chart for Army - Air Force communications would make coordination and integration more successful and would facilitate synchronization. The development of such a chart is a joint service doctrinal development task that should be initiated, probably at TRADOC level, or higher.

The addition of the following subtask is being considered, as an interim measure:

"Subtask M8, e. The Signal Officer along w/ A2C2 staff and ALO developed and published an air-ground or A2C2 communications architecture based on the identified communications requirements."

Reference recommendation to add a new item "Coordinate for frequency support through Division (Army) Assist Div Signal Officer.", this should be added to Task M9 as: "Subtask M9, c. Signal Officer provides frequency support to all subordinate elements (ground and air forces), as required."

Comment on Task M9 (Establish communications) that subtasks a & b are done at higher level of command - not Inf Bn ALO, misreads the task. The request for establishment of those frequencies is at higher levels, but, securing the information about those frequencies from the ALO and disseminating it to all other elements needs to be done at the brigade and battalion levels. Should change wording of subtask M9a. to read "Insure receipt of . . ." rather than "Request . . .".

K. Maneuver [Signal] Preparation:

O/C Comment

Task M29: Confirm Communications - A diagram/matrix must be developed and integrated into the brigade TF net architecture. Army personnel do not understand communications structure of AF nets and ALO must make it clear that there are primary and back-up/alternate means available. ALO/Bde SIGO/FS/AVN must have a meeting to discuss A2C2 communications architecture and plan.

Again: A standard air-ground communication matrix should be developed and doctrinally implemented. A worksheet with all required CAS communications

requirements for ground and Air Force would ensure common knowledge of CAS C3 architecture.

Again: Most ALO, TALO, FS, ADA, AVN, and Signal staff functional areas not involved in making A2C2 architecture work. See planning task 71-3-1101 [Task M8].

Task M29: Confirm communications - Subtask "b. Confirm distribution of proper authentication tables [AKAC 1553] to proper units (army aviation, FSO, etc.)." Has 1655 not 1553.

Analysis and Recommendations

Reference comment on Task M29 (Confirm Communications), to develop, and integrate into the brigade TF net architecture, a communications diagram/matrix, the following should be added to relate to Task M8 and subsequent subtasks should be renumbered: "Subtask M29c. Signal Officer confirms that all elements (ALO/FS/AVN) understand the A2C2 communications architecture and plan, to include primary and back-up/alternate means available for use."

The development and doctrinal implementation of a standard air-ground communication matrix or worksheet with all required CAS communications requirements for ground and Air Force is discussed under Task M8, above.

Reference comment on Task M29 (Confirm communications) that the proper authentication tables are the 1655 and not the AKAC 1553, the words "[KTC 1655 B for training and AKAC 1553 for operations]" should replace the words "[AKAC 1553]" now used in both subtasks "M9 b." and "M29 b.".

L. Maneuver [Aviation] Planning:

O/C Comments

Task M19: Initiate Close Air Support (CAS) request - Subtask "e. If preplanned, request contains desired air control measures for inclusion in the ATO (ROZ's, no fire areas, etc.)." This should be ACO, Airspace Control Order.

Analysis and Recommendations

Comment on Task M19 (Initiate Close Air Support (CAS) request) that the proper document for inclusion of air control measures is the ACO (Airspace Control Order) and not the ATO (Air Tasking Order) is correct and should be changed.

M. Maneuver [Aviation] Preparation:

No recommendations made.

N. Tactical Air Control Party Planning:

No recommendations made.

O. Tactical Air Control Party Preparation:

O/C Comments

Task G33: Confirm communications - Subtask "b. Confirm distribution of authentication tables [AKAC 1553] to army units with need (army aviation, FSO, etc.)." This ought to be 1655B.

Task G33: Confirm communications - Subtask "c. Conduct communications check and confirm communications capability (to include authentication and HAVE-quick capability) with:" Havequick ops prohibited due to comm interference.

Task G34: Deconflict airspace - Subtask "e. Confirm that all the following assets are operating in concert: 1) CAS 2) Helicopters 3) Indirect fires 4) ADA 5) UAV." Delete sub-tasks 1) - 5).

Analysis and Recommendations

Reference Task G33 (Confirm communications), the same change that was made to tasks M9 and M29 to add "KTC 1655 B for training" to the authentication tables "[AKAC 1553]" should be made to tasks "G9 b." and "G33 b.".

Reference comment on Task G33 (Confirm communications) that "Havequick ops prohibited due to comm interference" is applicable to the training environment at the training centers. The task is still one for which coordination and training is required in order to accomplish CAS in an operational environment.

Comment on Task G34 (Deconflict airspace) to delete the list of possible users under subtask "e. Confirm that all the following assets are operating in concert: 1) CAS 2) Helicopters 3) Indirect fires 4) ADA 5) UAV." that may be using the airspace, this task is the counterpart task to Task M30. The list reflects the major users which must participate in the deconfliction of the airspace. For the maneuver task list; operations, fire support, ADA, and aviation O/C's assessed different portions of this list. The list should remain as part of subtask "e".

P. Air Forward Air Controller Planning:

O/C Comments

Task A2: Determine the friendly situation - Subtask "a.3) Location of indirect fire assets." Need max ord and line of fire if Army is reluctant to pass coordinates of Arty.

Task A5: Determine EW threat - We do have extra freq to use in case of jamming, but - we are not allowed to use "havequick" UHF radios.

Task A7: Determine what air is planned - Subtask "f. Determine priority of effort." This may be above the AFAC's pay grade. He is given a tasking just like everyone else.

Task A8: Determine what air is available - Subtask "e. Determine air priority of effort in the AO." Usually not sure of this until we talk with the GFAC. There does not appear to be a coordinated effort.

Task A8: Determine what air is available - Subtask "i. Determine projected suppression coverage." AFAC has to convince the GFAC to work SEAD.

Analysis and Recommendations

Comment on Task A2 (Determine the friendly situation) that the AFAC needs "max ord and line of fire if Army is reluctant to pass coordinates of Arty" may be correct, but, it is probably not reasonable to expect this level of detail at this point in the process. No change should be made.

Comment on Task A5 (Determine EW threat) on the availability of extra frequencies to use in case of jamming and the prohibition on the use of "havequick" UHF radios is accurate; but, the response to comments on Task G33, above, apply.

Comment on Task A7 (Determine what air is planned) that subtask "f. Determine priority of effort." "may be above the AFAC's pay grade. He is given a tasking just like everyone else." indicates that the wording of that task needs to be changed to avoid misunderstanding. The word "Determine" needs to be replaced with the word "Identify" to avoid the interpretation that the AFAC is establishing the priority.

Reference comments on Task A8 (Determine what air is available) concerning two subtasks ("e. Determine air priority of effort in the AO." and "i. Determine projected suppression coverage."), in both cases the word "Determine" should be replaced with the word "Identify" to indicate that these are more information gathering tasks than tasks to establish something or to direct some action.

Q. Air Forward Air Controller Preparation:

O/C Comment

Task A15: Coordinate with TACP - Add fire support update to the sub task "a. Receive update from TACP".

Task A23: Deconflict Airspace - Add C-130 to list under subtask "e. Confirm that all the following assets are operating in concert:"

Analysis and Recommendations

Comment on Task A15 (Coordinate with TACP) to add "fire support" to the sub task "a. Receive update from TACP" is valid and that addition should be made.

Comment on Task A23 (Deconflict Airspace) to add "C-130" to list under subtask "e. Confirm that all the following assets are operating in concert:" is valid and that addition should be made.

R. Execution:

No recommendations made.

V. VERIFICATION TEST TASK LIST ASSESSMENT ANALYSIS:

Listed below are the results of the analysis of the individual responses or assessments made using the task list. The methodology for the analysis was to establish an arbitrary threshold for taking a detailed look at a task or subtask. The threshold that was established was if two thirds, or more, of the possible responses or assessments for a task were "non" responses (not assessed, not applicable, or not observed), then the task itself, and all the individual responses to it, would be reviewed for applicability and suitability to the purposes of the task list. Stated in a positive manner, if less than one-third of the possible responses were "usable" responses (Not Done, Inadequate, Marginally Adequate, Adequate, or Superior), then the task was reviewed for suitability and applicability.

First, the major tasks were reviewed, then the subordinate level tasks. An additional factor that had to be considered in looking at the sub-tasks was that the O/Cs had been instructed that the sub-tasks did not need to be assessed if the major task rating covered the sub-tasks. For example, if an O/C assessed a major task as adequate and all sub-tasks were also adequate, he did not need to assess each sub-task. In the database, however, the sub-tasks will show up as "Not Assessed".

A. Task assessment analysis:

The task assessment analysis is discussed in four sections: Maneuver, TACP, AFAC, and Execution. Each section discussion is further divided into "major tasks" and "sub-tasks".

B. Maneuver Tasks:

During this rotation there were a total of 48 possible assessments for each maneuver task. This number is the result of three O/Cs (Bde and 2 TF) for three missions (Forced Entry, Defense, Attack) for five functional areas (Operations, Fire Support, Intelligence, Air Defense, Signal) and one O/C (Bde) for three missions for one functional area (Aviation). The threshold for detailed review was, therefor, if 33 or more of the responses were "non" responses, as defined above (or, conversely, if there were less than 16 "usable" responses).

C. Major Tasks:

The following major tasks met the threshold test for detailed review (the number following the task title is the number of usable responses recorded.):

M09	Establish communications	14
M11	Coordinate Army Aviation employment	10
M13	Develop fire support plan	13
M17	Develop ground scheme of maneuver	13
M18	Continuously analyze intelligence developments	12

M19	Initiate Close Air Support request	11
M22	Determine target identification procedures	14
M23	Develop contingency plans	11
M24	Organize for combat	14
M27	Confirm airspace control measures	15
M30	Deconflict airspace	15

The detailed review of these tasks revealed that none of them were actually not suitable or not applicable to the task list. The review revealed two probable reasons for their relatively low number of usable assessments. The first was that they were tasks that were closely identified with only one or two functional areas (such as signal, intelligence, or fire support), and therefore, the O/C's from the remaining functional areas either left them blank or marked them "Not Applicable" because the task was not applicable to that O/C's functional area. The second was that the tasks were ones that most O/C's felt were brigade level tasks, and therefore, the O/C's with the two task forces either did not assess the task or they marked it "Not Applicable" since it was a task that was not applicable to their echelon. Both of these reasons were a direct result of the decision to include all of the tasks in each of the maneuver section task books. The low number of usable assessments for these tasks, in fact, has helped to identify tasks performed by only one or two members of the maneuver unit staff and tasks that are clearly not done at the battalion echelon.

D. Sub-tasks:

When a similar analysis is conducted for the sub-tasks, the additional factor of the sub-task not being assessed when it was covered by the major task assessment (discussed above) must also be considered. The same methodology was used for the sub-tasks, except that the increase in the number of "not assessed" was considered in conjunction with the decrease in the number of "not applicable" and other, positive, assessments. Since the same number of assessments were possible, the same threshold was used, initially.

The first level threshold review identified 149 sub-tasks of a possible 221 as being assessed by less than one third of the possible assessors. Once again, there appeared to be two reasons why the majority of these had a high percentage of "non" assessments. The first was a direct result of the instructions that a sub-task need not be assessed if the major task was assessed at least marginal and the sub-tasks were not "Inadequate". A large number of sub-tasks appeared to not be assessed since the major task assessment covered the sub-tasks. The second reason was the same as for the major tasks. The sub-tasks were identified with one or two functional areas and were not assessed by the other O/Cs from other functional areas. Both of these conditions produced low usable assessment numbers.

A second threshold was established for the sub-tasks. That threshold was to conduct a detailed review if there were less than half as many positive assessments for the sub-tasks as for the major task; or, if the sub-task had noticeably fewer positive assessments than the other sub-tasks for the major task. This threshold identified 31 sub-tasks for detailed review. Listed in Figures 7 and 8, below, are the sub-tasks identified, the number of positive assessments, the analysis, and the results.

All the sub-tasks in Figure 7, apparently, received a low number of usable assessments because the sub-tasks were associated with particular functional areas and, therefore, were only assessed by the O/Cs from one or two functional areas. The number of assessments and the functional areas of the O/Cs assessing these sub-tasks are indicated. When the reduced number of probable assessments based on the functional areas involved is calculated, the tasks all received a substantial proportion of the possible assessments. For clarity, an abbreviated task or sub-task title is included after the task number. All sub-tasks in Figure 7 should be retained.

Two of the seldom rated sub-tasks (M07E and M11F) were lead-in tasks, or statements, followed by lists of sub-tasks that were separately assessed. The overall assessment of these tasks was subordinate to the assessment of the sub-tasks under them, but the overall lead-in task is necessary for organization whether it is assessed or not. These tasks were:

M07E Identify or designate the following areas:

M11F Identify critical locations, such as:

M03C	Request information from A/C	8	5 operations, 3 intelligence
M03F	Coord if not receiving A/C info	9	4 operations, 5 intelligence
M07D	I.D. user priorities, restrictions,	8	5 operations, 2 air defense, 1 aviation
M07D3	I.D. civilian airline routes		66 operations
M07E2	I.D. Restricted Opns Zones	8	4 operations, 3 aviation, 1 air defense
M07E4	I.D. Airspace Coord areas		74 operations, 2 air defense, 1 aviation
M10F	I.D. Restrictive Opns Areas	9	5 air defense, 4 operations
M11F4	I.D. Aerial observation positions	6	4 operations, 2 aviation
M11G	I.D. JAAT specific considerations	5	3 operations, 2 fire support
M13E	LIC control is by time or terrain	8	5 fire support, 3 operations
M15I	ALO/FSO coord 12 hrs w/ ATO	10	5 operations, 5 fire support
M15I2	Targets are appropriate to A/C	11	6 operations, 5 fire support
M17D	Designate engagement areas	10	6 operations, 4 fire support
M18B	Integrate intel from unit assets	7	3 operations, 3 intelligence, 1 fire support
M19B	CAS request supports FS plan	11	6 operations, 5 fire support
M19F	Immed CAS request has req'd info	7	4 fire support, 3 operations
M21C5	I.D. projected tanker support	8	5 fire support, 3 operations
M23A2	Prep for 2nd echelon engagement	7	5 operations, 2 fire support
M23B	I.D. back-up communications	7	5 operations, 2 fire support
M23D	I.D. FSO ability to control CAS	7	4 operations, 3 fire support
M26B	Bde sync matrix int CAS w/FS reh	9	4 fire support, 3 operations, 1 intell, 1 signal
M27E	FSE integ CAS into FS rehearsal	8	5 fire support, 3 operations

Fig. 7: Infrequently assessed maneuver sub-tasks retained based on functional area assessments.

The sub-tasks listed in figure 8, below, all received a low number of usable assessments. The probable reasons for the low number were not as readily apparent as for the sub-tasks listed in Figure 7, above. Analysis of the conduct of the rotation and the individual mission conditions indicates that the primary reason for the low number of usable assessments was the conditions under which the missions were conducted. It could be expected to have a low number of assessments for UAV related tasks when there were no UAV's used during the rotation, for example.

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- | | | |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| M06D | I.D. UNMANNED AIR VEHICLE (UAV) AO's | 3 |
| | Only one each assessment from operations, aviation, and fire support out of 48 possible. The range of the number of positive assessments for the other subtasks under M06 was 12 to 19 with the average being 16.8 assessments. In addition, there was only one "Not Observed" assessment and more than twice as many "Not Applicable" assessments than any other sub-task. On analysis of the rotation, however, it appears that there were no UAV's used during the rotation and that the "Not Applicable" assessments refer to the particular mission and rotation and not to the applicability of the task itself, in the context to the task list evaluation. This sub-task should be retained in the task list. | |
| | | |
| M07C3 | I.D. RPV LAUNCH AND RECOVERY SITES & FLIGHT PATHS | 4 |
| | There are 3 operation and 1 air defense assessment for this sub-task. The other sub-tasks under M07C (except for M07C5, discussed in Figure 9) received from 10 to 17 assessments with the average being 13. As with task M06D, above, this task involves activities related to the use of unmanned, or remotely piloted, air vehicles. These were not used on this rotation and it is reasonable to expect that there would be a large number of "Not Applicable" assessments, since the task was not applicable to this particular mission and rotation. This sub-task should be retained on the task list. | |
| | | |
| M30E5 | CONFIRM [UAV] ASSETS OPERATING IN CONCERT | 3 |
| | There were 2 operations and 1 aviation usable assessments for this sub-task. There were twice as many "Not Applicable " assessments as for the other sub-tasks under M30E (8 versus 4). The range of the number of assessments for the other sub-tasks was 9 to 15 with the average being 11. Only 2 of the positive assessments were at the brigade level of a possible 18. Once again, however, the lack of use of the UAV's on this rotation makes this low number of usable assessments reasonable. This task should be retained on the task list. | |
| | | |
| M07E1 | I.D. HIGH DENSITY AIRSPACE CONTROL ZONE (HIDACZ) | 3 |
| | There were 2 operations and 1 air defense usable assessments for this sub-task. The range of the number of usable assessments for the other sub-tasks under sub-task M07E was 7 to 13 with the average being 10.8. However, this sub-task received more than twice as many "Not Observed" assessments than the other sub-tasks (7 versus an average of 2.8) and there was not the same difference in the "Not Applicable" assessments. This task should not be dropped at this time. | |
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Fig 8: Infrequently assessed maneuver sub-tasks retained based on mission conditions.

The remainder of the infrequently assessed sub-tasks, and the analysis resulting in their being dropped from the task list, are listed in Figure 9, below.

M07C5	I.D. POSITIONS OF INSTRUMENT LANDING SYSTEMS, NAVAID's, ETC	4
	There were 3 operations and 1 aviation assessment for this task. The other sub-tasks under M07C (except M07C3, above) received from 10 to 17 assessments with the average being 13. Even though there were 3 operations assessments for the sub-task, none of those was at the brigade, the level most likely to be involved in this activity and in A2C2 in general. There does not appear to be an explanation, other than that this task is not addressed at the JRTC. This sub-task should be dropped from the task list.	
M18A1	INTEGRATE STRATEGIC INTELL FROM JSTAR	4
	Both M18A1 and A2 refer to corps or higher level intelligence sources. There was only 1 positive intelligence assessment for each of these sub-tasks and 3 operations assessments. There were more than twice as many "Not Applicable" assessments than the other sub-tasks. Both these tasks should be dropped from the task list.	
M18A2	INTEGRATE STRATEGIC INTELL FROM U2/TR1	4
	(See above)	

Fig 9: Infrequently assessed maneuver sub-tasks identified for deletion.

E. TACP Tasks:

During the rotation there were a total of 12 opportunities to assess the Tactical Air Control Party (TACP). This was one TACP planning and preparation booklet for each training day of the rotation, from D-1 to D+11, except for day D+3 when the mid rotation CAS AAR was conducted. The threshold established for detailed review was the same as that established for the maneuver tasks. If more than two-thirds of the possible assessments were "non" assessments (or, conversely, if less than one third of the possible assessments were "usable" assessments), then the task was reviewed in more detail for retention. Since there were 12 opportunities to assess, this meant that if there were less than four usable assessments the task was reviewed.

F. Major TACP Tasks:

There were no TACP major tasks that received less than four usable assessments.
TACP sub-tasks

Almost all of the sub-tasks received less than four usable assessments. Further review revealed that the sub-tasks were almost always not assessed, relying on the instruction that if the overall assessment was sufficient, and no sub-task was individually "not adequate", then the sub tasks did not need to be separately assessed.

G. AFAC Tasks:

The AFAC tasks need to be divided into the planning and preparation phases for analysis because of the differences in the number of opportunities for assessment. The planning portion was assessed by the Air Warrior commander while he was flying as the AFAC. Due to weather cancellations and normal flight scheduling, he only flew and assessed one mission as the AFAC. It was not possible to derive any meaningful distribution of the numbers of usable or "non" assessments for the different tasks and sub-tasks based on one repetition. Specific comments that were made on the applicability of some tasks are discussed in the section "Verification Test Task List Recommendations", above.

The AFAC preparation tasks start with task number A14. Due to weather cancellations there were only 11 missions which proceeded to the point where AFAC on station preparation tasks could be assessed. The threshold established for the other tasks was retained for the AFAC tasks. The task received a detailed review if 8 or more of the assessments were "non" assessments.

H. Major AFAC Tasks:

There are a total of 14 AFAC preparation tasks (Tasks A14-A27). There were three tasks that received 3 or fewer usable assessments. Those tasks and the analysis of the assessments are listed below.

A21 Receive Army Aviation update (3)

A review of the comments made under this task indicate that the "Not Applicable" assessments were assessments of the unit's operation and not the task's applicability. The task was assessed "Not Applicable" when there were no Army Aircraft on station to interact with the CAS aircraft. Task was assessed in several instances and should be retained.

A22 Confirm aircraft allocation (1)

A25 Confirm friendly ADA status (3)

A detailed review of these tasks, and the circumstances under which the data was collected, indicate that there were problems with both the unit's conduct of CAS and with positioning the observer on the ground in a location where he could consistently collect all the data from the AFAC and unit TACP coordination. Considering this, and the number of missions that were cancelled due to weather, there is insufficient data on these sub-tasks to recommend deletion at this time.

VI. VERIFICATION TEST TRAINING FEEDBACK QUESTIONNAIRE

All of the books were completed and collected the end of the rotation and a Training Feedback Questionnaire was administered to each of the O/C personnel who had been involved in using the task list. All of the O/C personnel were not immediately available, and of the 20 questionnaires distributed, 15 were collected. The questionnaire and all the responses collected are at Appendix C. A summary of the responses to the questions is shown below.

Ninety-three per cent (14 of 15) said the task list was useful or very useful in identifying areas of interaction with the ALO during planning, preparation, or execution.

One hundred per cent said the tasks in the task list were identified in about the right amount of detail.

Forty-seven per cent said there were required tasks within their area that they were not able to observe for the entire rotation. (Analysis of the responses to this question indicates that the question was poorly worded and the intent of the question was not understood by the respondents.)

Sixty-seven per cent (10 of 15) said the CAS task list would be helpful in identifying specific tasks for feedback to units on employment of CAS, if provided on a regular basis.

Sixty-seven per cent (10 of 15) said the Fire Support O/C section should have responsibility for the CAS task list for maneuver if it were consolidated into one task list. Three nominated the C2 Operations section. One said to split it between C2 and Fire Support, and one said the task lists should not be consolidated into one list.

Eighty per cent (12 of 15) said they would use the CAS task list to assist in their observations and feedback to the units if it were consolidated into one task list.

Thirty-three per cent (5) recommended additional tasks and twenty-one per cent (3) recommended tasks for deletion.

Fig. 10: Training Feedback Questionnaire Response Summary.

The Deputy COG (DCOG), and his designated replacement, were briefed on the CAS task list validation exercise and the tentative results at the conclusion of the field verification. Highlights of the briefing were that: Overall, the validation went very well. All O/C participants were positive in their approach and very helpful. Initial review of the first two sets of maneuver task books indicated that the task list was validated and that only a few minor changes would be required. The major problem encountered was the lack of personnel on the Air Force O/C team which made it difficult to collect data on the TACP planning and preparation task lists.

VII. CONCLUSIONS

The purposes identified for the verification test were as follows:

- To collect information on the accuracy and applicability of the close air support task list when used to assess the employment of close air support at brigade and task force levels.
- To determine if the correct tasks had been identified.
- To determine if the relationship of the tasks to each other, the information flow both vertically within a section and horizontally between sections, had been accurately depicted by the order of the tasks and the similar task titles in different sections of the task lists.
- To insure that the task list contained all of the tasks and sub-tasks necessary to insure a successful employment of close air support.
- To determine if the tasks identified the proper staff member responsible for completing the task.
- To ascertain whether the tasks appropriately identified the necessary flow of information between the different staff members and the TACP personnel.
- To determine if the information was collectable at the JRTC, a non-instrumented environment.

Information on the conduct of the rotation utilized for the verification test, to include mission conditions, equipment availability, allocation of CAS sorties, missions flown, BDA, and timing of missions was collected and analyzed. In addition, the data collected during the rotation on the unit's actions to plan for, prepare, and execute CAS, to include specific recommendations made by the O/C's, was analyzed in detail. The analysis of those assessments and recommendations is discussed in earlier sections of this report. As a result of that analysis, the following conclusions are presented.

1. Information in the form of unit assessments, task list assessments, task recommendations for addition and deletion, and general rotation data was collected and it provided information on the applicability and suitability of the task list. The front end analysis indicated that the proper echelon for the employment of CAS was the brigade. The comments and assessments confirmed that all the tasks for planning and preparation were done at brigade while a significant number were not normally done at battalion. The test has verified that the proper echelon for these tasks is the brigade.

2. The test has verified that, with the exception of a few sub-tasks to be added and deleted, as discussed in previous sections, the correct tasks have been identified.

3. There were no comments on the sequencing of the tasks in the task list. During the analysis, it was possible to track information and assessments from the maneuver sections to the TACP and AFAC sections to look for discrepancies in the assessments for similar and related tasks. It appears that the third and sixth purposes of the test were accomplished.

4. With the addition of the three sub-tasks to the communications tasks and some minor word changes to other tasks, the task list now appears to contain all the necessary tasks.

5. The primary purpose for dividing the maneuver tasks into six sections, all of which had the same tasks, was to identify which tasks were performed by which section and which tasks were performed by more than one section operating in concert. The distribution of usable and "non" assessments and the functional areas that made those assessments helped to identify the sections responsible for specific tasks. Those tasks that identified a specific functional area or staff element as producing input to the CAS process were correct.

6. The data required to assess the maneuver tasks in the CAS Task List booklets is collectable in the JRTC environment.

The data for TACP tasks is marginally collectable with the current manning and organization of the Air Force TACP O/C team. The team does not have sufficient personnel to both control all air being used during the rotation, from a centrally located observation point, and to observe and control the unit ALO/TACP planning, preparation and execution activities.

The data for the AFAC pre-flight tasks can best be collected by the Ground Liaison Officer (GLO) at the departure airfield. This can be accomplished with paper forms, but would be facilitated by electronic media that could be transmitted to a central location. The data for the AFAC on-station tasks can be collected by either an O/C on the ground, if co-located with the unit TACP who is talking to the AFAC on the radio; or by the AFAC himself, who can fill out the task list in the air and send the data once he returns to the airfield.

It is unnecessary, and cumbersome, to have more than one set of booklets for the maneuver unit tasks. The primary purpose for dividing the maneuver unit tasks into six sections was to identify which tasks were done only by one section and which required input from several sections. The majority of the responses to the questionnaire circulated at the end of the JRTC rotation indicated that the CAS task list should fall under the Fire Support O/C's function.

Separating the tasks into "planning" and "preparation" was not necessary and added an additional booklet. Consolidating the planning and preparation tasks into one booklet each for Maneuver and TACP tasks seems to be a workable solution. Because of the different O/C data collection possibilities for the AFAC data, the "pre-flight" and the "on-station" task lists should probably remain separate. The execution task list should include some maneuver tasks, but should remain as one, separate, execution booklet. This results in five different booklets instead of seventeen.

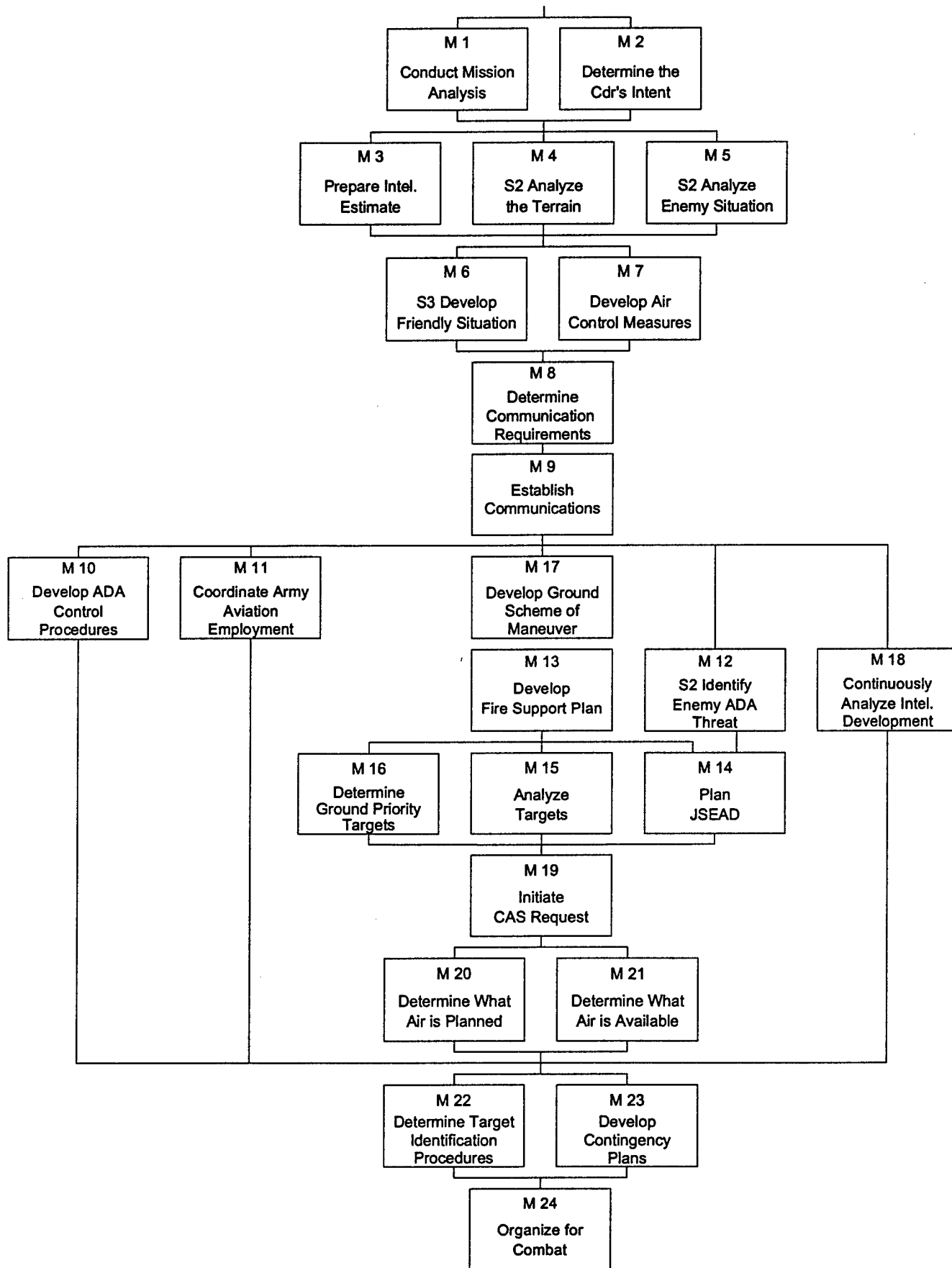
Generally, once an O/C started to make assessments in one of the books, the O/C filling out the assessments did not change. The identification data at the top of each page probably only needs to be collected once for each task list for each mission, rather than for each task. The exception to this would be if maneuver tasks are consolidated into one task list which is put into the ECI. In that case, identification data would be needed for each task because O/Cs from different BOSs would be assessing different tasks and inputting their data.

**APPENDIX A:
BATTLE TASK LIST FOR CLOSE AIR SUPPORT IN A LOW INTENSITY
CONFLICT**

1. The attached task list for employment of close air support (CAS) in a low intensity conflict consists of four sections: Brigade Maneuver, TACP Brigade, AFAC, and Execution. Each of the first three sections is further divided into a "planning" section and a "preparation" section.
2. Each section is numbered with a one or two letter code to distinguish that section's tasks from the same number or same titled tasks from another section.
3. The sections are coded as follows:
 - a. Maneuver task numbers are preceded by the letter "M".
 - b. TACP tasks are preceded by the letter "G".
 - c. AFAC tasks are preceded by the letter "A".
 - d. Execution tasks, some of which are performed by personnel involved in each of the other sections, are preceded by the letter "GA". The numbering sequence of the execution tasks follows the TACP tasks (G35 is the last TACP task, GA36 is the first execution task).

MANEUVER TASK SEQUENCE

PLANNING



**CLOSE AIR SUPPORT BATTLE TASK LIST
BRIGADE MANEUVER**

PLANNING

- M1. Conduct mission analysis (AMTP 71-3, Task 71-3-3001; FM 101-5)**
- a. Determine specified tasks.
 - b. Determine implied tasks.
 - c. Determine area of operations (sector/zone).
 - d. Determine available time.
 - e. Identify specific Rules of Engagement (ROE) that apply to CAS/air operations.
- M2. Determine the commander's intent (AMTP 71-3, Task 71-3-9001; FM 101-5)**
- a. Understand the purpose of the mission.
 - b. Understand commander's intent for CAS.
- M3. S2 prepares Intelligence Estimate (AMTP 71-3, Task 71-3-2001; FM 34-1)**
- a. Perform IPB and identify all available information and intelligence on enemy forces, terrain, and weather.
 - b. Determine availability of air intelligence assets in addition to normal resources.
 - c. Request continuous flow of combat information from aircraft to S2.
 - d. Ensure continuous flow of new intelligence to the Air Liaison Officer.
 - e. Request G2 input on deep enemy ADA threat.
 - f. Coordinate with TACP if not receiving pilot tactical information.
- M4. S2 analyze the terrain (AMTP 71-3, Task 71-3-2001, 2003; FM 34-1)**
- a. Determine ground avenues of approach, choke points, and obstacles.
 - b. Identify air avenues of approach.
 - c. Determine the impact of weather on air operations.
- M5. S2 analyze the enemy situation (AMTP 71-3, Task 71-3-2001, 2003, 2005; FM 34-1)**
- a. Determine size, disposition, location, and organization of enemy forces.
 - b. Identify current and anticipated enemy ADA capabilities, locations, and activities.
 - c. Identify potential courses of action.
 - d. Determine impact of weather on enemy ADA.
 - e. Pass targeting data to S3/FSO.
- M6. S3/FSO develop/provide friendly situation (AMTP 71-3, Task 71-3-3002, 3003, 3007, 3011, 9002)**
- [Note: Battle tracking by maneuver unit/S3 and up to date knowledge of location of all subordinate elements is critical in LIC environment. Use of traditional FLOT and FSCL concepts of control may be difficult.]
- a. Identify and provide location of forward elements, Forward Line of Troops (FLOT) if applicable.

- b. Identify location of indirect fire assets, to include artillery, mortars, and Naval gunfire.
- c. Identify helicopter areas of operation (AO), to include routes, lift, and attack operations.
- d. Identify UAV (Unmanned Air Vehicle) AO.
- e. Determine and provide location of the FSCL (Fire Support Coordination Line) and/or any other indirect fire restrictions, such as no fire lines (NFL) or unit battle positions (BP).
- f. Identify Host country fire restrictive measures.
- g. Provide friendly maneuver plan, tactical situation, choke points, trigger points for air requests, timing of battle, and how battle tracking is being done.

M7. A2C2 element identify or develop air control measures (AMTP 71-3, Task 71-3-3012, 3013, 602, 7001, 9002; FM 100-103)

[Note: Airspace control plan is developed between JTF and Host nation FAA/Air Traffic Control. Brigade and/or task force must identify existing control measures and develop additional measures to control air operations within the unit's airspace.]

- a. Identify area for which the brigade is responsible (vertical, left, and right limits).
- b. Identify users of the airspace and their requirements (army aviation, air force, artillery, ADA, etc.).
- c. Identify areas impacting on air operations.
 - 1) Aviation unit and FARP locations.
 - 2) Artillery locations and planned fires.
 - 3) RPV launch and recovery sites and flight paths.
 - 4) ADA locations, engagement zones, and coverage.
 - 5) Positions of instrument landing systems, navigation aids (NAVAID), flight coordination center (FCC), and flight operations center (FOC).
- d. Identify user priorities, restrictions, and control measures.
 - 1) Confirm coordinating altitude (from above ground level (AGL))
 - 2) Confirm air ROE.
 - 3) Identify and locate civilian airline routes.
 - 4) Determine restrictions and constraints such as "no fly zones".
- e. Identify or designate the following areas:
 - 1) High density airspace control zone (HIDACZ).
 - 2) Restricted Operations Zones (ROZ).
 - 3) Air ingress/egress routes.
 - 4) Airspace Coordination Areas (ACA).
 - 5) Contact Points/Initial Points (CP/IP).
 - 6) Helicopter air corridors.
 - 7) Minimum Risk Routes (MRR).
 - 8) Engagement Areas (EA).
- f. Identify/designate ROZ's for air resupply areas/times for both air drop and air land operations.

- M8. Determine communication requirements (AMTP 71-3, Task 71-3-1101)**
- a. Identify locations which provide continuous communications with ground and air forces.
 - b. Determine communications requirements with ground forces, air forces, and Army aviation.
 - c. Identify ground retransmission requirements.
 - d. Coordinate with TACP to use AFAC as communications relay, if necessary.
 - e. The Signal Officer, along with A2C2 staff and ALO developed and published an air-ground or A2C2 communications architecture based on the identified communications requirements.
- M9. Establish communications (AMTP 71-3, Task 71-3-1102)**
- a. Insure receipt of air force frequencies (in ATO) and provide to army aviation and others, as required.
 - b. Coordinate for, and ensure distribution of, authentication tables [KTC 1655 B for training and AKAC 1553 for operations] to army and air force elements, as needed).
 - c. Signal Officer provides frequency support to all subordinate elements (ground and air) as required.
- M10. Develop Air Defense Artillery control procedures (AMTP 71-3, Task 71-3-3007, 6001, 6002)**
- a. Coordinate ADA operations through the S3.
 - b. Identify location and status of ADA units in brigade area.
 - c. Identify Air Defense Artillery (ADA) activation procedures (FM early warning net to stinger teams).
 - d. Maintain current ADA status and identify ADA changes of status/control measures and procedures.
 - e. Identify air ingress/egress routes
 - f. Identify Restrictive Operation Areas (ROA's) and weapons free zones.
- M11. Coordinate Army Aviation employment (AMTP 71-3, Task 71-3-3011, 3012, 7001; FM 1-100; FM 1-111)**
- a. Identify responsibilities, aviation tasks and plans.
 - b. Identify constraints/limitations in altitude and routes.
 - c. Determine capabilities, type aircraft, callsigns, communications, and authenticators.
 - d. Identify ROE.
 - e. Identify engagement areas.
 - f. Identify critical locations, such as:
 - 1) Landing zones.
 - 2) Forward Arming and Refueling Points (FARP).
 - 3) Battle Positions (BP).
 - 4) Aerial observation positions (AOP's).
 - g. Identify Joint Air Attack Team (JAAT) specific considerations.
 - h. Aviation assets are incorporated into priority of fires and JSEAD operations.

- M12. S2 determine enemy ADA threat (AMTP 71-3, Task 71-3-2003, 2005)**
- a. Identify type and capabilities of enemy ADA systems (type munitions and anticipated targets).
 - b. Determine locations of enemy ADA systems.
 - c. Determine past and expected activities (movement/remain stationary) of enemy ADA systems.
 - d. Pass targeting data to S3/FSO for JSEAD planning.

- M13. Develop fire support plan (AMTP 71-3, Task 71-3-3009, 3012, 9001, 9002; FM 6-20)**

[Note: In the LIC environment, there is less need to mass fires and, therefore, a reduced need for the control measure necessary to execute simultaneous artillery and CAS fires on the same target.]

- a. FSO advises on fire support capabilities, limitations, and coordinating measures.
- b. ALO is part of the fire support team and advises on air capabilities and limitations.
- c. FSO and ALO coordinate on aircraft availability, munitions, capabilities, and effects.
- d. FSO includes CAS in the fire support execution matrix.
- e. Primary concept for control measures in LIC is to separate artillery and CAS by time for the same target or by terrain feature for simultaneous delivery on different targets.
- f. Fire support control measures are established.
 - 1) Battle positions for army aviation.
 - 2) No fire lines (NFL) and azimuth restrictions for artillery/mortars.
 - 3) Engagement areas (EA) identified by terrain features for CAS.
 - 4) Other measures, such as FSCL, restrictive fire line (RFL), coordinated fire line (CFL), no-fire area (NFA), and restrictive fire area (RFA) established as appropriate.
- g. Artillery is positioned to not interfere with air lines of communication/field landing strip operations.
- h. Fire support system is prepared to shut down operations for critical CAS attacks.
- i. The following information is identified and maintained:
 - 1) Location of indirect fire assets.
 - a) Artillery guns.
 - b) Multiple Launched Rocket Systems.
 - c) Mortars.
 - 2) Capabilities of indirect fire assets.
 - 3) Missions, planned targets, and gun-target lines.
 - 4) Sequence of engagement.
 - 5) Maximum ballistic altitudes.
 - 6) Movement sequence (timing and new locations).
 - 7) ACA's.
 - 8) JAAT considerations.

- M14. Plan JSEAD (Joint Suppression of Enemy Air Defenses) (AMTP 71-3, Task 71-3-2006, 3004, 9001, 9002)**
- a. S2 identifies enemy ADA system/targets.
 - b. Determine ADA target locations.
 - c. Determine type of suppression.
 - d. Determine type of JSEAD available.
 - e. Integrate JSEAD with adjacent units.
- M15. Analyze targets (AMTP 71-3, Task 71-3-2003, 2006, 3004, 9003, 9004; FM 6-20)**
- a. S2 identifies enemy locations.
 - b. Determine target type, ALO recommends targets for CAS attack.
 - c. Determine the best method to defeat enemy targets.
 - 1) Determine constraints imposed by munitions available and ROE.
 - 2) Match munitions to type targets.
 - d. Identify appropriate JSEAD requirements.
 - e. Identify necessary suppression measures and appropriate suppression systems.
 - f. Identify the impact of weather on air operations and enemy ADA.
 - g. Establish engagement criteria.
 - h. Determine methods to identify friendly locations.
 - i. On receipt of ATO information, ALO/FSO coordinate immediate 12 hour period and identify:
 - 1) Number and type of aircraft/munitions.
 - 2) Targets appropriate to aircraft and munitions.
- M16. Determine ground priority targets (AMTP 71-3, Task 71-3-3005)**
- a. S3/FSO establish target priorities.
 - b. ALO recommends priorities for air attack.
 - 1) Identify target type
 - 2) Integrate target with threat to friendly forces, determining risk to air assets and risk of fratricide.
- M17. Develop ground scheme of maneuver (AMTP 71-3, Task 71-3-3001, 3002, 3004, 3009)**
- a. Identify forward line of troops (FLOT) and/or battle positions (BP).
 - b. Identify location of elements forward of the FLOT or operating independently (i.e. scouts).
 - c. Designate methods of marking friendly troop locations (Glint tape, VS-17 panels, smoke, etc.)
 - d. Designate engagement areas (EA) (designated areas with no friendly troops).
 - e. Establish maneuver restrictions, such as boundaries, axis of advance, and limitations.
 - f. Designate other control measures on troop movement or location, as required.
- M18. Continuously Analyze Intelligence Developments (AMTP 71-3, Task 71-3-2003, 2006)**

- a. Integrate strategic and higher echelon information and intelligence from all sources, such as:
 - 1) JSTAR.
 - 2) U2/TR1.
 - 3) Div/Corps G2.
- b. Integrate information and intelligence from own unit's assets, such as:
 - 1) Reconnaissance elements/scout platoon.
 - 2) Ground assets/maneuver units.
 - 3) Immediate tactical information observed by aircraft in the area.
 - 4) Other available assets.
- c. Disseminate targetable information to the FSE.

M19. Initiate Close Air Support (CAS) request (AMTP 71-3, Task 71-3-3--4, 3009; FM 90-21)

- a. Request supports ground scheme of maneuver.
- b. Request supports fire support plan.
- c. Request conforms to intelligence estimate.
- d. S3, with ALO advice and assistance, identifies preplanned air requirements and prepares request.
- e. If preplanned, request contains desired air control measures for inclusion in the ACO (ROZ's, no fire areas, etc.).
- f. If immediate CAS, S3/ALO ensures request contains information necessary to identify requestor; priority; target type, size, and location; time required and desired results.

M20. Determine what air is planned (AMTP 71-3, Task 71-3-3004)

- a. S3 section obtains information from the ALO on planned air sorties in the ATO.
- b. Determine type of aircraft, capabilities and munitions.
- c. Determine when the aircraft will arrive and how long aircraft will remain on station.
- d. Determine Electronic Warfare (EW) capabilities.
- e. Determine projected sortie allocation.

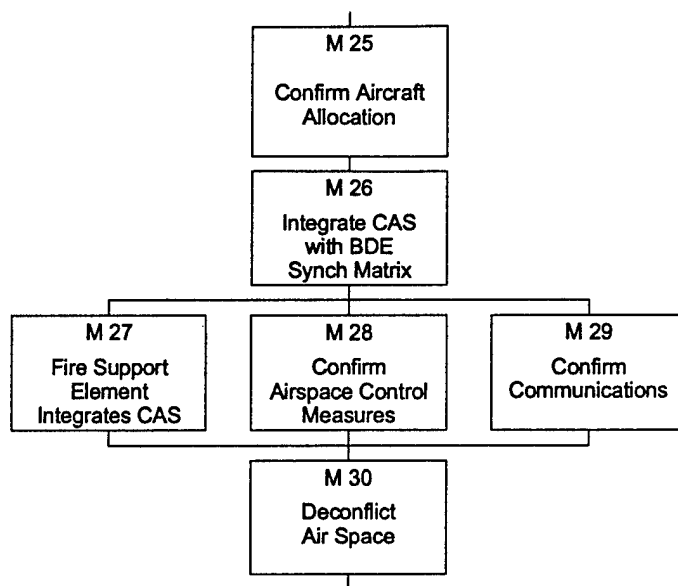
M21. Determine what air is available (AMTP 71-3, Task 71-3-3004, 3009)

- a. S3 section coordinates with the ALO/TACP to determine the number of air sorties available for planning.
- b. Based on the ATO and communications with higher, the TACP identifies all aircraft available in the area during the needed timeframe .
- c. S3 section receives information on:
 - 1) Aircraft, capabilities, and munitions.
 - 2) When and how long aircraft will be available.
 - 3) EW assets and capabilities.
 - 4) Air priority of effort in the AO
 - 5) Projected Airborne Warning and Control System.
 - 6) Projected fighter coverage
 - 7) Projected suppression coverage, JSEAD and Weasel.

- d. TACP identifies aircraft on the way (2 hours out) and coordinates with S2/FSO on target types and locations, A/C and munitions, and enemy ADA.
- M22. **Determine target identification procedures** (AMTP 71-3, Task 71-3-9004; FM 6-20)
- a. S3/FSO, in conjunction with the ALO/TACP, determine target marking procedures
 - b. Consider the utility of using target marking methods such as laser, smoke, tracers, or target description.
 - c. Identify easy to locate terrain features.
 - d. Ensure distinction between target marking and method for marking friendly locations is understood.
- M23. **Develop contingency plans** (AMTP 71-3, Task 71-3-3009, 9003, 9004; FM 6-20)
- a. Identify secondary targets for CAS.
 - 1) Identify alternate engagement areas.
 - 2) Prepare for second echelon engagement.
 - b. Identify back-up communications (i.e. fire support net/radios, relay to AFAC on FM, etc.)
 - c. Coordinate for emergency control of CAS in event of ALO/ETAC KIA.
 - d. Determine FSO/FO ability to control CAS in emergency.
 - e. FSO plans alternate means to engage CAS targets.
- M24. **Organize for combat** (AMTP 71-3, Task 71-3-3001, 3002)
- a. Establish chain of command.
 - b. Identify locations provide uninterrupted communication with air and ground forces.
 - c. Determine position of Air Liaison Officer within the command group for close coordination with the commander (in LIC, probably the TOC).
 - d. Identify CAS final control authority.

MANEUVER TASK SEQUENCE

PREPARATION



PREPARATION

- M25. Confirm aircraft allocation (AMTP 71-3, Task 71-3-3004, 3009)**
- a. Information on type aircraft, arrival times, munitions, and number of sorties/station time is confirmed as early as possible.
- M26. Integrate CAS with Brigade Synch Matrix (AMTP 71-3, Task 71-3-3004, 3009, 9002; FM 6-20)**
- a. CAS plan conforms with Decision Support Template.
 - b. ALO and CAS are integrated into fire support rehearsals.
 - c. CAS is synchronized with scheme of maneuver.
 - 1) Timing.
 - 2) Command or event driven sequence.
 - d. CAS is synchronized with fire support plan.
 - 1) Timing.
 - 2) Command or event driven sequence.
 - 3) Targets.
 - e. CAS is synchronized with Army Aviation.
 - 1) Timing.
 - 2) Battle positions.
 - 3) Engagement areas.
 - f. Plan for continuous CAS missions.
- M27 Fire Support Element integrates CAS (AMTP 71-3, Task 71-3-3004, 3009, 9002; FM 6-20)**
- a. CAS plan is incorporated into the indirect fire plan and included in the fire support execution matrix.
 - 1) Sequence of attack.
 - 2) Timing.
 - 3) Engagement areas.
 - 4) Targets.
 - b. Masking of indirect fires is minimized.
 - c. CAS target list is appropriate for air engagement.
 - d. Identify coordination considerations with Army Aviation.
 - e. ALO and CAS are integrated into fire support rehearsals.
- M28. Confirm airspace control measures (AMTP 71-3, Task 71-3-3012, 3013, 6002, 7001, 9002)**
- a. Review airspace control order (ACO) and identify any changes to initial plan.
 - b. Identify local airspace restrictions for areas, altitude, times, and routes.
 - c. Specifically identify ROZ's for army aviation operations (FARP's, BP, etc.).
 - d. Monitor status of airfields and specifically identify ROZ's for air routes, air drop, and field landing strip resupply operations.
 - e. Specifically identify no fire areas due to ROE or friendly ground force operations.

- f. Confirm ADA restricted operations areas (Roads), weapons free zones, and weapons control status.

M29. Confirm communications (AMTP 71-3, Task 71-3-1102)

- a. Confirm frequencies from ALO/ATO and distribution of frequencies to supported/supporting units.
- b. Confirm distribution of proper authentication tables [KTC 1655 B for training, AKAC 1553 for operations] to appropriate units (army aviation, FSO, etc.)
- c. Signal Officer confirms that all elements (ALO/FS/AVN) understand the A2C2 communications architecture and plan, to include primary and back-up/alternate means available for use.
- d. Conduct communications check and confirm communications capability with air and ground forces.

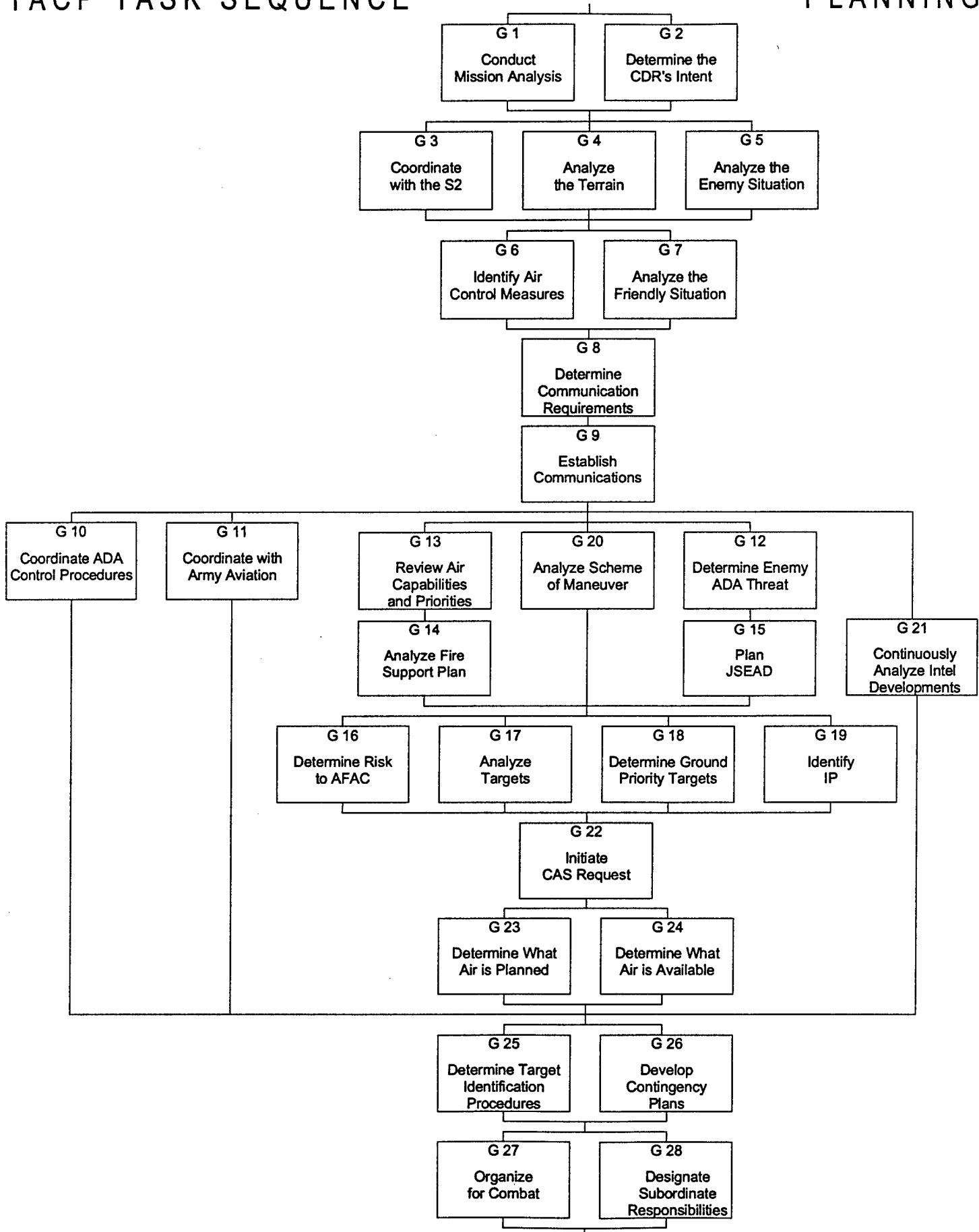
M30. Deconflict airspace (AMTP 71-3, Task 71-3-3012, 3013, 6002, 7001, 9002; FM 100-103)

[Note: Units below brigade do not usually control enough airspace to perform this function.]

- a. ACO provides for deconfliction of overall airspace into brigade AO.
- b. Within brigade AO, brigade plan minimizes potential fratricide situations.
- c. Brigade plan minimizes the masking of fires for all elements.
- d. Plan provides for reaction to aircraft ingressing and egressing the AO.
- e. Confirm that all the following assets are operating in concert:
 - 1) CAS.
 - 2) Helicopters (attack, lift, and scout).
 - 3) Indirect fires (artillery, mortars, and naval gunfire).
 - 4) ADA.
 - 5) UAV.
 - 6) C-130
- f. FSO overlays indirect fire asset data (locations, gun target lines, maximum ordinate, etc.) on ACO measures to ensure deconfliction.
- g. Monitor planned and outgoing fires.

TACP TASK SEQUENCE

PLANNING



**TACP (TACTICAL AIR CONTROL PARTY)
BRIGADE**

PLANNING

- G1. Conduct mission analysis (MCM 3-3, Vol VIII)**
 - a. Determine specified tasks.
 - b. Determine implied tasks.
 - c. Determine area of operations (sector/zone).
 - d. Determine available time.
 - e. Identify specific Rules of Engagement (ROE) that apply to CAS/air operations.

- G2. Determine the commander's intent (MCM 3-3, Vol VIII)**
 - a. Understand the purpose of the mission.
 - b. Understand commander's intent for CAS.

- G3. Coordinate with S2 (MCM 3-3, Vol VIII)**
 - a. Identify all available information and intelligence on the following:
 - 1) Enemy forces.
 - 2) Terrain.
 - 3) Weather.
 - b. Determine what air intelligence assets are available.
 - c. Ensure continuous flow of combat information from aircraft to the S2.

- G4. Analyze the terrain (MCM 3-3, Vol VIII)**
 - a. Determine ground avenues of approach, choke points, and obstacles.
 - b. Identify air avenues of approach.
 - c. Determine the impact of weather on air operations.
 - d. Identify physical control features.
 - e. Determine the impact of the sun angle on air operations.
 - f. Determine the elevation of targets in feet.

- G5. Analyze the enemy situation (MCM 3-3, Vol VIII)**
 - a. Determine size, disposition, location, and organization of enemy forces.
 - b. Identify current and anticipated enemy ADA capabilities, locations, and activities.
 - c. Identify potential courses of action.

- G6. Identify air control measures (MCM 3-3, Vol VIII; ATP 40; FM 100-103)**
 - a. Confirm coordinating altitude (from above ground level (AGL))
 - b. Confirm air ROE.
 - c. Identify and locate civilian airline routes.
 - d. Determine restrictions and constraints such as "no fly zones".
 - e. Identify or designate the following areas:
 - 1) High density airspace control zone (HIDACZ).
 - 2) Restricted Operations Zones (ROZ).

- 3) Air ingress/egress routes.
 - 4) Airspace Coordination Areas (ACA).
 - 5) Contact Points/Initial Points (CP/IP).
 - 6) Helicopter air corridors.
 - 7) Minimum Risk Routes (MRR).
 - 8) Engagement Areas (EA).
- f. Identify/designate ROZ's for air resupply areas/times for both air drop and air land operations.

G7. Analyze friendly situation (MCM 3-3, Vol VIII)

[Note: Battle tracking by maneuver unit/S3 and up to date knowledge of location of all subordinate elements is critical in LIC environment. Use of traditional FLOT and FSCL concepts of control may be difficult.]

- a. Identify location of forward elements, Forward Line of Troops (FLOT) if applicable.
- b. Determine location of indirect fire assets, to include artillery, mortars, and Naval gunfire.
- c. Identify helicopter areas of operation (AO), to include routes, lift, and attack operations.
- d. Identify UAV (Unmanned Air Vehicle) AO.
- e. Determine location of the FSCL (Fire Support Coordination Line) and/or any other indirect fire restrictions, such as no fire lines (NFL) or unit battle positions (BP).
- f. Coordinate with S3 on friendly plan, tactical situation, choke points, trigger points for air requests, timing of battle, and how he is tracking unit locations, etc.

G8. Determine communication requirements (MCM 3-3, Vol VIII; TAC Pam 50-20)

- a. Identify locations which provide continuous communications with ground and air forces.
- b. Determine communications requirements with ground forces, air forces, and army aviation.
- c. Identify ground retransmission requirements.
- d. Coordinate/control communications with the AFAC to avoid over tasking if necessary to use as a communications relay.
- e. Develop air communication contingency plan.
 - 1) HAVE-Quick (TOD, Mickey) frequency jumping equipment.
 - 2) Chattermark (pre-determined alternate frequencies).

G9. Establish communications (MCM 3-3, Vol VIII; TAC Pam 50-20)

- a. Ensure air force frequencies in ATO are provided to army aviation.
- b. Coordinate/ensure distribution of authentication tables [KTC 1655 B for training, AKAC 1533 for operations].
- c. Conduct full commo check on ground with AFAC/GFAC/TACP/AVN/FSO assets.
- d. Consider using ETAC with portable UHF in helicopter with AVN Air Battle Captain.

- G10. Coordinate Air Defense Artillery control procedures (TAC Pam 50-20)**
- a. Identify Air Defense Artillery (ADA) activation procedures (FM early warning net to stinger teams).
 - b. Identify ADA change of status procedures.
 - c. Identify air ingress/egress routes.
 - d. Identify, and provide for, notification procedures for friendly air on station in the absence of a communications link between air controllers (TACP) and ADA sections.
 - e. Coordinate, and provide information on, aircraft types, flight schedules, and routes (20 minute warning).
- G11. Coordinate with Army Aviation (TAC Pam 50-20; FM 1-111)**
- a. Identify responsibilities, aviation tasks and plans.
 - b. Identify constraints/limitations in altitude and routes.
 - c. Determine capabilities, type aircraft, callsigns, communications, and authenticators.
 - d. Identify engagement areas.
 - e. Identify critical locations, such as:
 - 1) Landing zones.
 - 2) Forward Arming and Refueling Points (FARP).
 - 3) Battle Positions (BP).
 - 4) Aerial observation positions (AOP's).
 - f. Identify Joint Air Attack Team (JAAT) specific considerations.
 - g. Coordinate for a Helo-FAC, assistant ALO/ETAC in aircraft with AVN Air Battle Captain. (Bde and Bn TACP coordinate to provide for necessary personnel and joint use.).
- G12. Determine enemy ADA threat (MCM 3-3, Vol VIII; TACP Pam 50-20)**
- a. Identify type and capabilities of enemy ADA systems (type munitions and anticipated targets).
 - b. Determine location of enemy ADA systems.
 - c. Determine past and expected activities (movement/remain stationary) of enemy ADA systems.
- G13. Review air capabilities and priorities (TAC Pam 50-20; FM 6-20)**
- a. Brief ground commander on air capabilities and limitations.
 - b. Brief FSO on aircraft, weapons capabilities, limitations, controls, lead times, and request channels.
 - c. Confirm commander's intent and guidance on CAS.
 - d. Nominate appropriate targets for air munitions.
 - e. Air target selection priorities support both aircraft survival and the ground maneuver plan.
 - f. Target priorities conform with the ground fire support plan.
- G14. Analyze fire support plan (MCM 3-3, Vol VIII; FM 6-20)**
- a. ALO is part of the fire support team.

- b. ALO and FSO coordinate on aircraft availability, munitions, capabilities, and effects.
- c. ALO recommends appropriate target sequence and CAS is included in the fire support execution matrix.
- d. Primary concept for control measures in LIC is to separate artillery and CAS by time for the same target or by terrain feature for simultaneous delivery on different targets.
- e. Fire support control measures are established.
 - 1) Battle positions for army aviation.
 - 2) No fire lines (NFL) and azimuth restrictions for artillery/mortars.
 - 3) Engagement areas (EA) identified by terrain features for CAS.
 - 4) Other measures; such as FSCL, restrictive fire line (RFL), coordinated fire line (CFL), no-fire area (NFA), and restrictive fire area (RFA) established as appropriate.
- f. Fire support system is prepared to shut down operations for critical CAS attacks.
- g. The following information is identified:
 - 1) Location of indirect fire assets.
 - a) Artillery guns.
 - b) Multiple Launched Rocket Systems.
 - c) Mortars.
 - 2) Capabilities of indirect fire assets.
 - 3) Missions, planned targets, and gun-target lines.
 - 4) Sequence of engagement.
 - 5) Maximum ballistic altitudes.
 - 6) Movement sequence (timing and new locations).
 - 7) ACA's.
 - 8) JAAT considerations.

G15. Plan JSEAD (Joint Suppression of Enemy Air Defenses) (TAC Pam 50-20)

- a. Identify enemy ADA systems known and probable locations.
- b. Determine type of suppression desired.
- c. Determine type of JSEAD available; air, artillery, army aviation, naval gunfire, EW, COLT laser team support, etc.
- d. Integrate JSEAD with adjacent units.

G16. Determine risk to Airborne Forward Air Controller (MCM 3-3, Vol VIII)

- a. Determine risk to Airborne Forward Air Controller (AFAC) during the following:
 - 1) Target observation.
 - 2) Target marking.
 - 3) Holding pattern.
- b. Identify AFAC position in relation to the enemy ADA threat.
 - 1) Distance (range).
 - 2) Systems capabilities.
- c. Identify AFAC position in relation to friendly forces.
 - 1) ADA.

- 2) Gun target lines.
 - 3) Air routes.
- d. Confirm appropriateness of the AFAC altitude and holding pattern area.

G17. Analyze targets (TAC PAM 50-20;FM 6-20)

- a. Identify enemy locations.
- b. Determine target type.
- c. Determine the best method to defeat enemy targets.
 - 1) Determine constraints imposed by munitions available and ROE.
 - 2) Match munitions to type targets.
- d. Identify appropriate JSEAD requirements.
- e. Identify necessary suppression measures and appropriate suppression systems.
- f. Determine the impact of weather on air operations.
- g. Confirm engagement criteria.
- h. Determine methods to identify friendly locations.
- i. On receipt of ATO, ALO/FSO coordinate immediate 12 hour period and identify:
 - 1) Number and type of aircraft and munitions.
 - 2) Targets appropriate to aircraft and munitions.

G18. Determine ground priority targets (MCM 3-3, Vol VIII)

- a. S3/FSO establish target priorities.
- b. ALO recommends priorities for air attack.
 - 1) Identify target type and munitions.
 - 2) Integrate target with threat to friendly forces, determining risk to air assets and risk of fratricide.

G19. Identify Initial Point (MCM 3-3, Vol VIII)

- a. Identify location.
 - 1) Appropriate distance from threat.
 - 2) Easy to identify.
- b. Determine holding altitude.
- c. Confirm deconfliction of IP from gun target lines .
- d. Confirm communication capabilities.

G20. Analyze ground scheme of maneuver (MCM 3-3, Vol VIII; TAC Pam 50-22)

- a. Identify forward line of troops (FLOT) and/or battle positions (BP).
- b. Identify location of elements forward of the FLOT or operating independently (i.e. scouts).
- c. Identify methods of marking friendly troop locations (Glint tape, VS-17 panels, smoke, etc.)
- d. Identify engagement areas (EA) (designated areas with no friendly troops).
- e. Identify maneuver restrictions, such as boundaries, axis of advance, and limitations.
- f. Identify other control measures on troop movement or location, as required.
- g. Determine how to ensure "eyes on target and friendlies" is accomplished (i.e. ETAC forward with scouts, etc.).

G21. Continuously Analyze Intelligence Developments (TACM 3-1 VI)

- a. Integrate strategic and higher echelon information and intelligence from all sources, such as:
 - 1) JSTAR.
 - 2) U2/TR1.
 - 3) Div/Corps G2.
- b. Integrate information and intelligence from own unit's assets, such as:
 - 1) Reconnaissance elements/scout platoon.
 - 2) Ground assets/maneuver units.
 - 3) Ensure S2 receiving immediate tactical information observed by aircraft in the area.
 - 4) Other available assets.
- c. Brigade TACP gathers information/intelligence and disseminates to other TACP's.

G22. Initiate Close Air Support (CAS) request (FM 90-21)

- a. Request supports ground scheme of maneuver.
- b. Request supports fire support plan.
- c. Request conforms to intelligence estimate.
- d. ALO identifies preplanned air requirements and prepares request for FSO/S3 Air to transmit.
- e. If preplanned, request contains desired air control measures for inclusion in the ATO (ROZ's, no fire areas, etc.).
- f. If immediate CAS, S3/ALO ensures request contains information necessary to identify requestor; priority; target type, size, and location; time required and desired results.

- G23. Determine what air is planned (MCM 3-3, Vol VIII)**
- a. TACP receives information on planned air sorties from the ATO.
 - b. Determine type of aircraft, capabilities and munitions.
 - c. Determine when the aircraft will arrive and how long aircraft will remain on station.
 - d. Determine Electronic Warfare (EW) capabilities.
 - e. Determine projected sortie allocation.
- G24. Determine what air is available (MCM 3-3, Vol VIII)**
- a. Based on the ATO and communications with higher, the TACP identifies all aircraft available in the area during the needed timeframe .
 - b. Determine type aircraft, capabilities, and munitions.
 - c. Determine when and how long aircraft will be available.
 - d. Determine EW assets and capabilities.
 - e. Determine air priority of effort in the AO.
 - f. Determine projected Airborne Warning and Control System (AWACS).
 - g. Determine projected fighter coverage.
 - h. Determine projected suppression coverage (JSEAD and Weasel).
 - i. TACP identifies aircraft on the way (2 hours out) and coordinates with S2/FSO on target types and locations, A/C and munitions, and enemy ADA.
- G25. Determine target identification procedures (TAC Pam 50-28; FM 6-20)**
- a. Determine target marking procedures.
 - b. Determine the utility of using target marking methods, such as laser, smoke, tracers, or target description.
 - c. Identify easy to locate terrain features .
 - d. Ensure distinction between target marking and method for marking friendly locations is understood.
- G26. Develop contingency plans (TACM 3-1 VI, FM 6-20)**
- a. Identify secondary targets for CAS.
 - 1) Identify alternate engagement areas.
 - 2) Prepare for second echelon engagement.
 - b. Identify back-up communications (i.e. fire support net/radios, relay to AFAC on FM, etc.)
 - c. Coordinate for emergency control of CAS in event of ALO/ETAC KIA.
 - d. Determine FSO/FO ability to control CAS in emergency.
- G27. Organize for combat (MCM 3-3, Vol VIII)**
- a. Establish chain of command.
 - b. Identify locations for TACP elements that provide for observation of target area.
 - 1) AFAC.
 - 2) GFAC.
 - 3) Flight lead control.
 - c. Identify locations provide uninterrupted communication with air and ground forces.

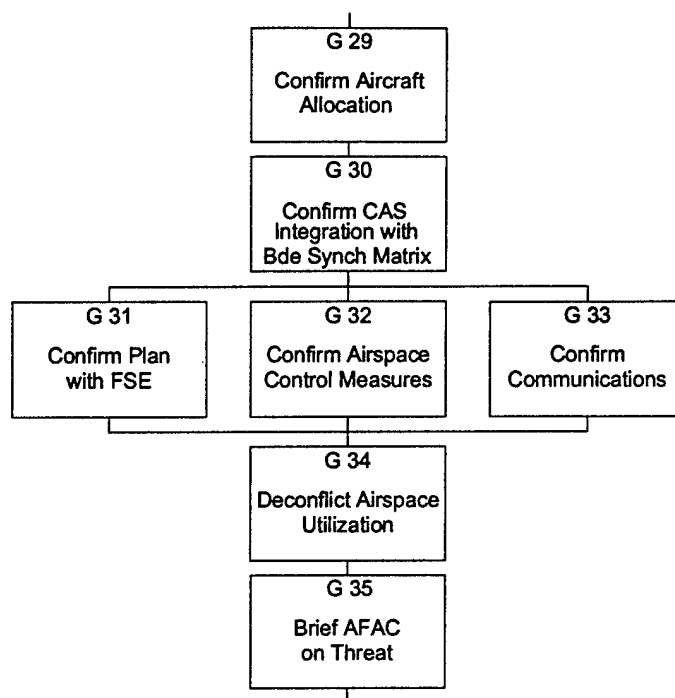
- d. Determine position of Air Liaison Officer within the command group for close coordination with the commander (in LIC, probably the TOC).
- e. Identify CAS final control authority.

G28. Designate subordinate responsibilities (MCM 3-3, Vol VIII)

- a. Confirm responsibilities for battalion TACP's.
- b. Confirm required actions of the Brigade TACP.
- c. Ensure any special instructions are disseminated to all subordinate elements.
- d. Confirm that all subordinates are capable of fulfilling their assigned responsibilities.

TACP TASK SEQUENCE

PREPARATION



PREPARATION

- G29. Confirm aircraft allocation (MCM 3-3, Vol VIII; TACM 55-46)**
- a. The following information is confirmed as early as possible:
 - 1) Type of aircraft.
 - 2) When the aircraft will arrive.
 - 3) Munitions.
 - 4) Number of sorties and station time.
- G30. Confirm CAS integration with Brigade Synch Matrix (FM 6-20)**
- a. CAS plan conforms with Decision Support Template.
 - b. ALO and CAS are integrated into fire support rehearsals.
 - c. CAS is synchronized with scheme of maneuver.
 - 1) Timing.
 - 2) Command or event driven sequence.
 - d. CAS is incorporated into the fire support execution matrix and is synchronized with fire support plan.
 - 1) Timing.
 - 2) Command or event driven sequence.
 - 3) Targets.
 - e. CAS is synchronized with Army Aviation.
 - 1) Timing.
 - 2) Battle positions.
 - 3) Engagement areas.
 - f. Plan for continuous CAS missions.
- G31. Confirm plan with Fire Support Element (FM 6-20)**
- a. Confirm that CAS plan is synchronized with indirect fire plan and included in the fire support execution matrix.
 - 1) Sequence of attack.
 - 2) Timing.
 - 3) Engagement areas.
 - 4) Targets.
 - b. Ensure that masking of indirect fires is minimized.
 - c. Review CAS target list for appropriateness.
 - d. Identify coordination considerations with Army Aviation.
 - e. ALO and CAS are integrated into fire support rehearsals.
- G32. Confirm airspace control measures (MCM 3-3, Vol VIII; TACP 55-46)**
- a. Review airspace control order (ACO) and identify any changes to initial plan.
 - b. Identify local airspace restrictions for areas, altitude, times, and routes.
 - c. Specifically identify ROZ's for army aviation operations (FARP's, BP, etc.).
 - d. Monitor status of airfields and specifically identify ROZ's for air routes, air drop, and field landing strip resupply operations.
 - e. Specifically identify no fire areas due to ROE or friendly ground force operations.

- f. Confirm ADA restricted operations areas (Roads), weapons free zones, and weapons control status.

G33. Confirm communications (MCM 3-3, Vol VIII; TAC Pam 50-20)

- a. Confirm frequencies from ATO and distribution of frequencies to supported/supporting units.
- b. Confirm distribution of proper authentication tables [KTC 1655 B for training, AKAC 1553 for operations] to army units with need (army aviation, FSO, etc.)
- c. Conduct communications check and confirm communications capability (to include authentication and HAVE-quick capability) with:
 - 1) TACP elements.
 - 2) Air forces.
 - 3) Army aviation.
 - 4) Ground forces.

G34. Deconflict airspace (TAC Pam 50-28; FM 100-103)

[Note: Units below brigade do not usually control enough airspace to perform this function.]

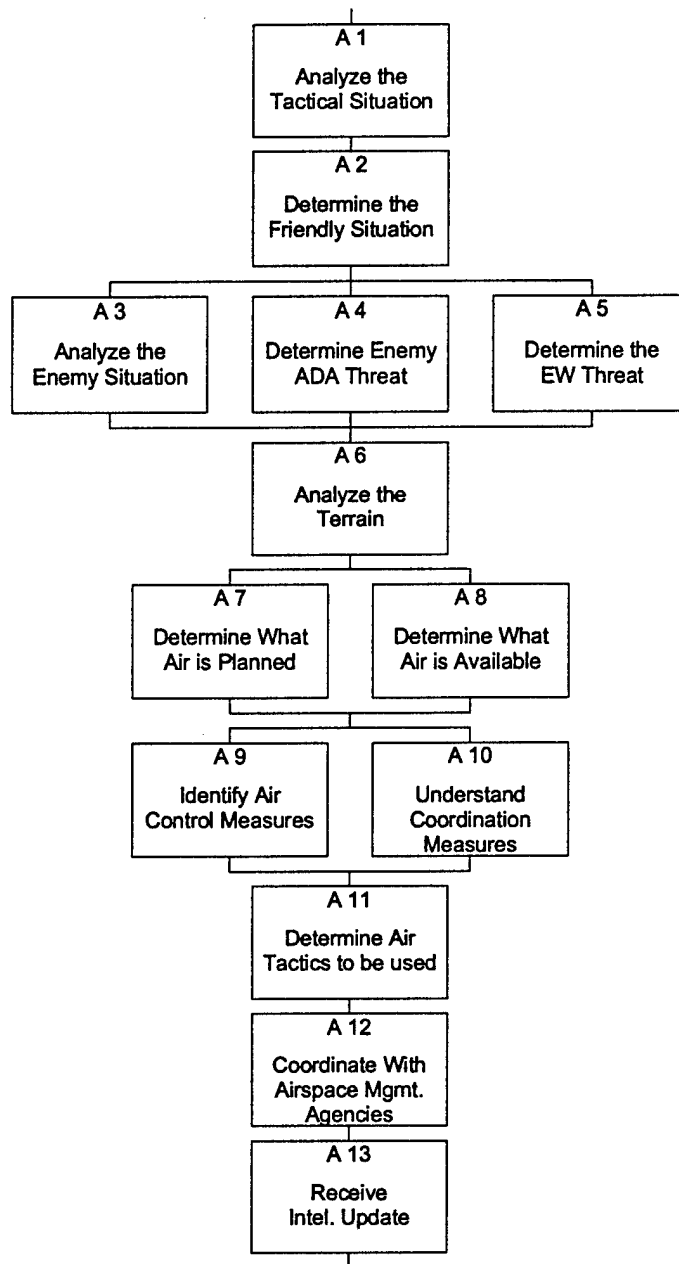
- a. ACO provides for deconfliction of overall airspace into brigade AO.
- b. Within brigade AO, brigade plan minimizes potential fratricide situations.
- c. Brigade plan minimizes the masking of fires for all elements.
- d. Plan provides for reaction to aircraft ingressing and egressing the AO.
- e. Confirm that all the following assets are operating in concert:
 - 1) CAS.
 - 2) Helicopters (attack, lift, and scout).
 - 3) Indirect fires (artillery, mortars, and naval gunfire).
 - 4) ADA.
 - 5) UAV.
 - 6) C-130
- f. FSO overlays indirect fire asset data (locations, gun target lines, maximum ordinate, etc.) on ACO measures to ensure deconfliction.
- g. Monitor planned and outgoing fires.

G35. Brief AFAC on threat (MCM 3-3, Vol VIII)

- a. Size, disposition, locations and organization of enemy forces.
- b. Current and anticipated enemy ADA capabilities, locations, and activities.
- c. Current and forecasted weather.

AFAC TASK SEQUENCE

PREFLIGHT PLANNING



AFAC (AIR FORWARD AIR CONTROLLER)
PLAN
(Pre-flight)

- A1. Analyze the tactical situation (MCM 3-3, Vol VIII)**
 - a. Determine ground forces mission, offensive and defensive.
 - b. Determine purpose/intent of ground mission.
 - c. Determine air forces mission.

- A2. Determine the friendly situation (MCM 3-3, Vol VIII)**
 - a. The following information is identified:
 - 1) FLOT.
 - 2) Location of forward elements.
 - 3) Location of indirect fire assets.
 - 4) Helicopter AO.
 - 5) UAV AO.
 - 6) Location of FSCL (Fire Support Coordination Line).
 - 7) Location of other fire support coordinating or restrictive measures.

- A3. Analyze the enemy situation (MCM 3-3, Vol VIII)**
 - a. Determine size, disposition, location, and organization of enemy forces.
 - b. Identify potential courses of action.

- A4. Determine enemy ADA threat (MCM 3-3, Vol VIII; TACP Pam 50-20)**
 - a. Identify type and capabilities of enemy ADA systems (type munitions and anticipated targets).
 - b. Determine locations of enemy ADA systems.
 - c. Determine past and expected activities (movement/remain stationary) of enemy ADA systems.

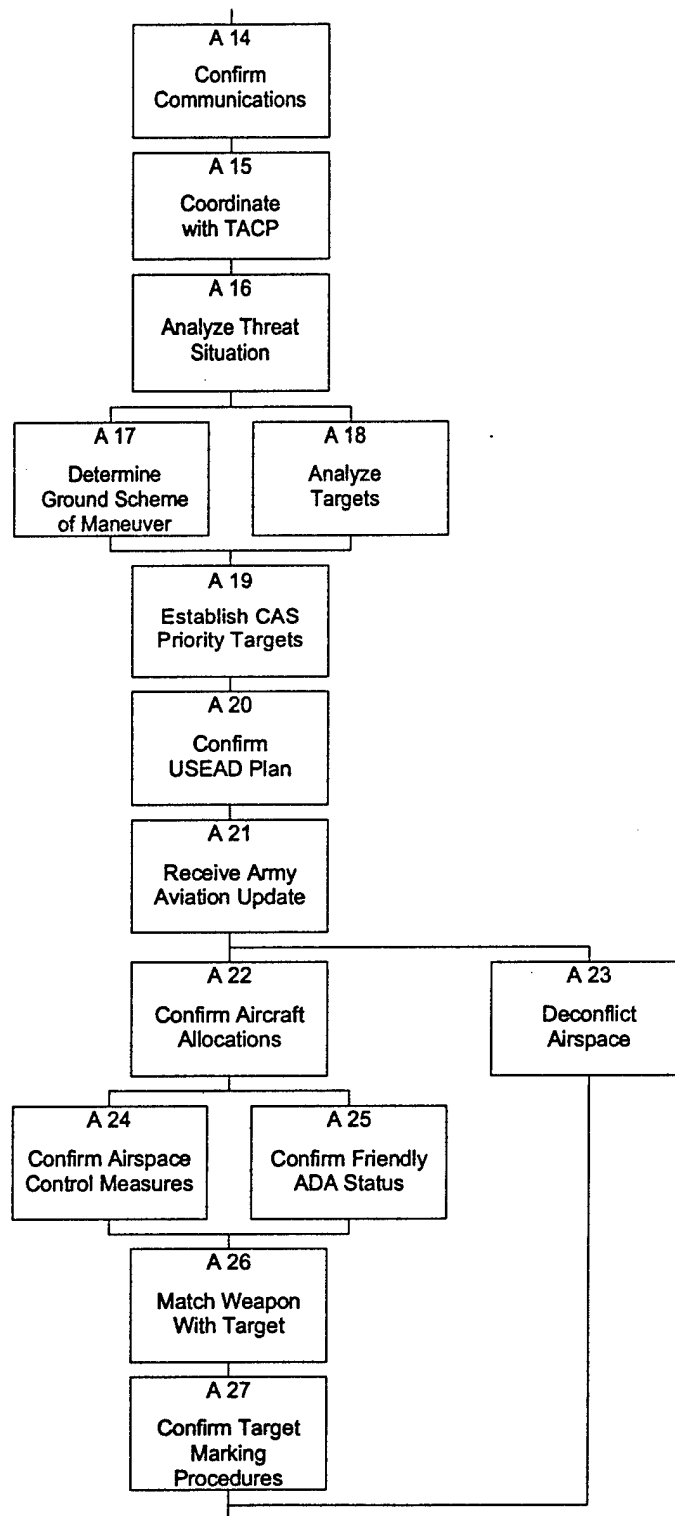
- A5. Determine the EW threat (MCM 3-3, Vol VIII)**
 - a. Determine potential impact of friendly EW.
 - b. Determine scope of enemy EW.
 - c. Determine how to neutralize enemy EW.
 - d. Identify measures to overcome enemy jamming.

- A6. Analyze the terrain (MCM 3-3, Vol VIII)**
- a. Determine ground avenues of approach, choke points, and obstacles.
 - b. Identify air avenues of approach.
 - c. Determine the impact of weather on air operations.
 - d. Identify physical control features.
 - e. Determine the impact of the sun angle on air operations.
 - f. Determine the elevation of targets in feet.
- A7. Determine what air is planned (MCM 3-3, Vol VIII)**
- a. AFAC receives information on planned air sorties from the ATO and communications with the TACP.
 - b. Determine type of aircraft, capabilities and munitions.
 - c. Determine when the aircraft will arrive and how long aircraft will remain on station.
 - d. Determine Electronic Warfare (EW) capabilities.
 - e. Determine projected sortie allocation.
 - f. Determine priority of effort.
- A8. Determine what air is available (MCM 3-3, Vol VIII)**
- a. Based on the ATO, and communications with the TACP, AFAC identifies all aircraft available in the area during the needed timeframe .
 - b. Determine type aircraft, capabilities, and munitions.
 - c. Determine when aircraft will arrive and how long aircraft will remain on station.
 - d. Determine EW assets and capabilities.
 - e. Determine air priority of effort in the AO.
 - f. Determine projected tanker support.
 - g. Determine projected Airborne Warning and Control System (AWACS).
 - h. Determine projected fighter coverage.
 - i. Determine projected suppression coverage (JSEAD and Weasel).
- A9. Identify air control measures (MCM 3-3, Vol VIII)**
- a. Confirm coordinating altitude (from AGL)
 - b. Confirm air ROE.
 - c. Determine restrictions and constraints (such as "no fly zones", civilian airline routes, etc.).
 - d. Identify the following areas:
 - 1) HIDACZ.
 - 2) ROZ.
 - 3) Air ingress/egress routes.
 - 4) ACA's.
 - 5) CP's/IP's.
 - 6) Helicopter air corridors.
 - 7) MRR.
 - 8) Engagement areas.

- A10. Understand coordinating measures (MCM 3-3, Vol VIII)**
- a. Confirm refueling capability.
 - b. Identify the location of holding areas.
 - c. Determine available on station time.
 - d. Confirm engagement constraints.
- A11. Determine air tactics to be used (MCM 3-3, Vol VIII)**
- a. Tactics are appropriate to threat.
 - 1) High threat-low altitude.
 - 2) Low threat-high altitude.
 - b. Tactics are appropriate to mission.
 - c. Tactics are appropriate to terrain and weather.
- A12. Coordinate with airspace management agencies (MCM 3-3, Vol VIII; TACM 3-1 V8)**
- a. Confirm assigned area of operations.
 - b. Determine EW situation.
 - c. Confirm radar monitoring capability.
 - d. Confirm enemy and friendly ADA situation.
 - e. Determine echelon specific restrictions.
 - f. Coordinate with Air Support Operations Center (or Airborne Battlefield Command and Control Center as alternate).
- A13. Receive Intelligence update (TACM 3-1 V8)**
- a. Update given prior to arrival in area of operations.
 - b. Update includes latest information on area of operations.

AFAC TASK SEQUENCE

PREPARATION (On Station)



PREPARE
(On Station)

- A14. Confirm communications (MCM 3-3, Vol VIII)**
- a. Communications are established with the TACP, air forces (aircraft), Army aviation, and ground forces, as required.
 - b. UHF, VHF, FM, HAVE-Quick capability, and authentication are confirmed, as appropriate.
- A15. Coordinate with TACP (TAC Pam 50-22; TAC Pam 50-20)**
- a. Receive update from TACP.
 - 1) Latest CAS information.
 - 2) Latest tactical intelligence.
 - 3) Ground tactical situation.
 - 4) Location of TACP.
 - 5) Confirm friendly ADA status.
 - 6) Update on current enemy ADA threat.
 - 7) Fire support operations.
 - b. Update TACP on air observations.
- A16. Analyze Threat Situation (MCM 3-3, Vol VIII)**
- a. Determine the best method to defeat targets (usually pilot option).
 - b. Determine the impact of weather on air operations.
 - c. Determine methods to suppress enemy ADA.
- A17. Determine ground scheme of maneuver (TAC Pam 50-22)**
- a. TACP talks AFAC through ground reference points to identify controls, areas, and targets.
 - b. Identify FLOT and /or BP.
 - c. Identify engagement areas.
 - d. Identify maneuver restrictions, such as axis of advance, boundaries, and other limitations.
 - e. Identify location of elements forward of the FLOT or operating independently (i.e. scouts).
 - f. Identify methods for marking friendly troop locations.
- A18. Analyze targets (MCM 3-3, Vol VIII)**
- a. Identify location.
 - b. Determine target type.
 - c. Confirm engagement criteria.
 - d. Identify final control authority for each target.
 - e. Determine target elevation (in feet).
- A19. Establish CAS target priorities (FM 6-20)**

[Note: Ground force commander establishes CAS target priorities. ABCCC diverts A/C to priority targets based on the commander's guidance.]

- a. Target selection priorities support both the ground maneuver plan and aircraft survival.
- b. Target priorities conform with the ground fire support plan.

A20. Confirm JSEAD plan (MCM 3-3, Vol VIII)

- a. Verify JSEAD requirements.
- b. Verify planned suppression measures.

A21. Receive Army Aviation update (TAC Pam 50-22)

- a. Identify responsibilities (aviation tasks and plans).
- b. Identify constraints/limitations in altitude and routes.
- c. Confirm capabilities (aircraft, communications, authentication, etc.).
- d. Confirm engagement areas.
- e. Identify critical locations, such as:
 - 1) Landing zones.
 - 2) FARP's.
 - 3) Battle positions (BP).
 - 4) Aerial Observation Positions (AOP's).
- f. Determine method of authentication between helicopters and CAS.

A22. Confirm aircraft allocation (MCM 3-3, Vol VIII; TACM 55-46)

- a. The following information is confirmed as early as possible:
 - 1) Type of aircraft.
 - 2) When the aircraft will arrive.
 - 3) Munitions.
 - 4) Number of sorties and station time.

A23. Deconflict airspace (TAC Pam 50-28; FM 100-103)

[Note: Units below brigade level do not usually control enough airspace to perform this function.]

- a. ACO provides for deconfliction of overall airspace into the brigade area.
- b. Within the brigade AO, brigade plan minimizes potential fratricide situations.
- c. Plan minimizes the masking of fires for all elements.
- d. Plan provides for reaction to aircraft ingressing and egressing the AO.
- e. Confirm that all the following assets are operating in concert:
 - 1) CAS.
 - 2) Helicopters (attack, lift, and scout)
 - 3) Indirect fires (artillery, mortars, and naval.
 - 4) ADA.
 - 5) UAV.
 - 6) C-130

A24. Confirm airspace control measures (MCM 3-3, Vol VIII; TACR 55-46)

[Note: AFAC and aircraft check in with the Control Radar Center (CRC) for update on control measures when they enter the controlled airspace. AFAC controls all air in his designated area.]

- a. Review airspace control order (ACO) and identify any changes to initial plan.
- b. Identify local airspace restrictions for areas, altitude, times, and routes.
- c. Specifically identify ROZ's for army aviation operations (FARP's, BP, etc.).
- d. Monitor status of airfields and specifically identify ROZ's for air routes, air drop, and field landing strip resupply operations.
- e. Specifically identify no fire areas due to ROE or friendly ground force operations.
- f. Confirm ADA restricted operations areas (Roads), weapons free zones, and weapons control status.

A25. Confirm friendly ADA status (MCM 3-3, Vol VIII;FM 100-103)

- a. Verify current ADA status
- b. Verify procedures to change ADA status.

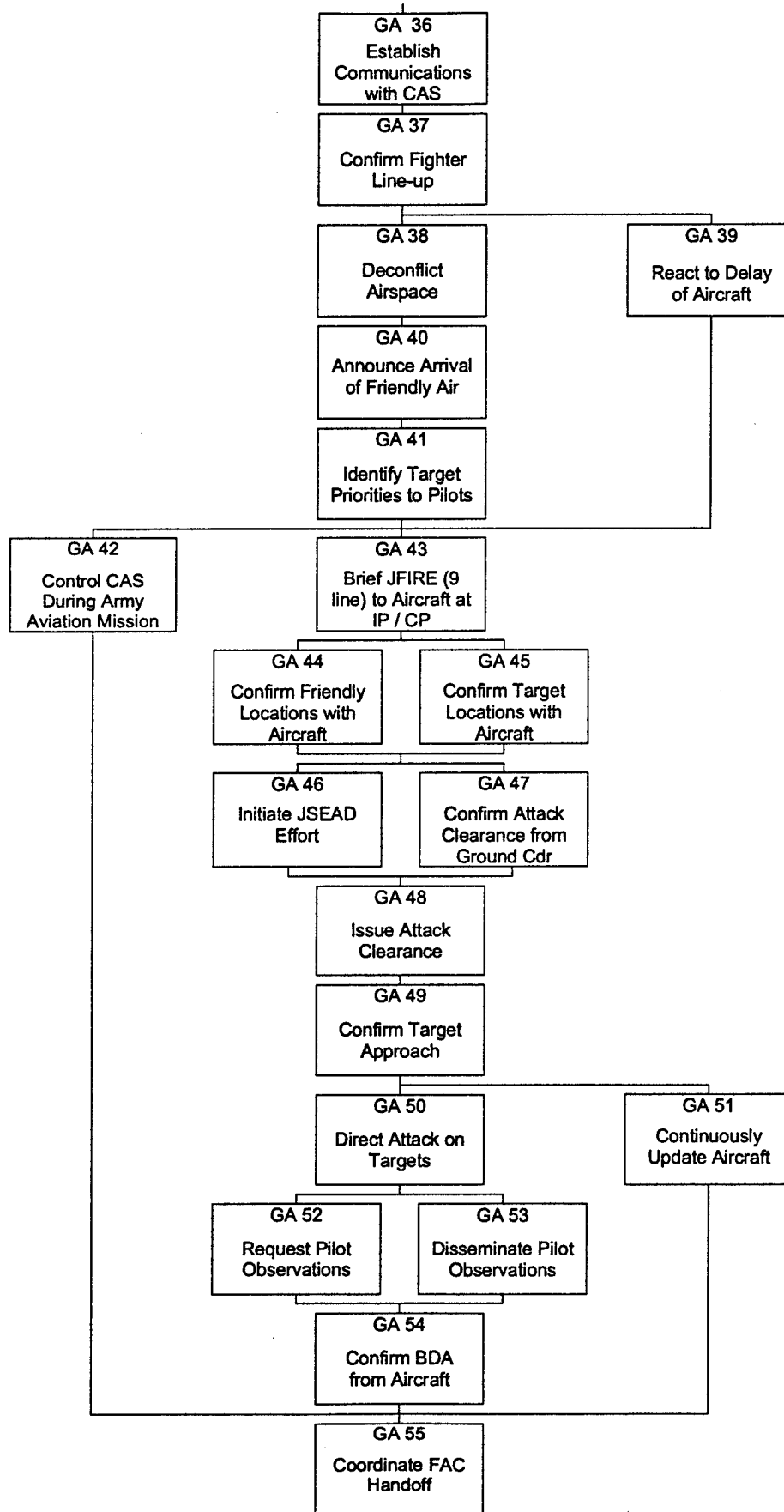
A26. Match weapon with target (MCM 3-3, Vol VIII)

- a. Ensure that planned targets are matched with the most appropriate weapon system.
- b. Confirm that munitions support scheme of maneuver.
- c. Sequence attack to conform to established target priorities.
- d. Sequence attack to conform to fire support plan.

A27. Confirm target marking procedures (TAC Pam 50-28)

- a. Verify marking procedures and ensure understanding of distinction between target marking and method of marking friendly locations.
- b. Confirm the utility of using target marking methods such as laser, smoke, tracers, or target description.
- c. Verify terrain features for ease of identification.

AIR/GROUND EXECUTION TASK SEQUENCE



CLOSE AIR SUPPORT TASK LIST
EXECUTION
(Cyclic)

- GA36. **Establish communications with CAS (TAC Pam 50-28;TAC Pam 50-20)**
- a. Confirm/establish communications with incoming CAS (fighters).
 - 1) Conduct authentication.
 - 2) Activate Chattermach (alternate frequency) plan.
 - b. Continuous communications are maintained between the following:
 - 1) CAS and FAC.
 - 2) FAC and TACP.
 - 3) TACP and command group.
 - c. Army Aviation maintains communication with the following:
 - 1) Command group.
 - 2) TACP.
 - 3) FAC (if JAAT).
- GA37. **Confirm Fighter line-up (TAC Pam 50-22)**
- a. Call sign.
 - b. Mission number.
 - c. Ordnance and fusing.
 - d. On station time (playtime).
 - e. Abort code.
- GA38. **Deconflict airspace (TAC Pam 50-28)**
- a. Shift or lift indirect fires.
 - b. Shift other air assets, such as helicopters or UAV's.
 - c. Update ADA status.
 - d. Establish CAS holding points.
 - e. Prepare to stack fighters.
 - f. Avoid air drop/air land ROZ's.
- GA39. **React to delay of aircraft (TAC Pam 50-28)**
- a. Confirm new time.
 - b. Determine changes in ground situation.
 - c. Confirm targets.
 - d. Develop new targets.
 - e. Activate contingency plans.
- GA40. **Announce arrival of friendly air (MCM 3-3, Vol VIII)**
- a. AFAC Notify TACP.
 - b. TACP notify command group.

- GA41. **Identify target priorities to pilots (TAC Pam 50-22)**
- a. Ensure that pilots understand target priorities.
 - b. Ensure that pilots understand CAS attack sequence.
- GA42. **Control CAS during Army Aviation mission (TAC Pam 50-20)**
- a. Confirm call signs for all aircraft.
 - b. Confirm JFIRE/JAAT targets.
 - c. Confirm target locations for:
 - 1) CAS.
 - 2) Army Aviation.
 - 3) Indirect fires.
 - d. Confirm target marking procedures.
 - e. Confirm friendly location marking procedures.
- GA43. **Brief JFIRE (9 Line) to aircraft at IP/CP (MCM 3-3, Vol VIII)**
- a. Briefing follows prescribed format.
 - b. CAS aircraft have current information on the following:
 - 1) Targets
 - 2) Friendly situation
 - 3) Hazards (ADA, enemy, indirect fires, etc.).
- GA44. **Confirm friendly locations with aircraft (TAC Pam 50-22;MCM 3-3,Vol VIII)**
[Note: Commander/S3/FSO must continually track locations of all subordinate elements. Battle tracking of most forward elements is critical to accurate and rapid employment of CAS and avoidance of fratricides.]
- a. TACP coordinates with S3/FSO on last known friendly locations and friendly position marking methods.
 - b. TACP transmits information to AFAC, who forwards to attack aircraft.
 - c. Pilots can identify FLOT.
 - d. Pilots can identify location of elements forward of the FLOT.
 - e. Pilots are aware of other aircraft in the area.
 - f. Pilots understand the danger close (1000 meters) criteria.
- GA45. **Confirm target locations with aircraft (TAC Pam 50-22;MCM 3-3, Vol VIII)**
- a. Ensure that CAS aircraft can identify the targets.
 - b. Designate targets:
 - 1) By grid.
 - 2) From known terrain feature.
 - 3) By marking designator.
- GA46. **Initiate JSEAD effort (MCM 3-3, Vol VIII)**
- a. Execute prior to CAS attack.
 - b. Confirm targets.
 - c. Confirm method of attack.
 - 1) CAS.
 - 2) Army Aviation.
 - 3) Indirect fires (Artillery, Naval gunfire).

- 4) Electronic warfare.
 - d. Confirm effectiveness of attack.
- GA47. **Confirm attack approval from ground commander (TAC Pam 50-28)**
- a. Ensure ground commander is aware of the target type and location.
 - b. Ensure ground commander is aware of the time of attack and munitions to be used.
 - c. Ensure ground commander is aware of closest friendly unit to the attack and the risk involved.
- GA48. **Issue attack clearance (MCM 3-3, Vol VIII)**
- a. Identify final authority.
 - b. Confirm abort code.
 - c. Confirm type of clearance.
 - 1) Depart IP.
 - 2) On Final.
 - 3) Flight Lead Control.
- GA49. **Confirm target approach (MCM 3-3, Vol VIII)**
- a. Ensure that the ground forces confirm the air corridor, attack altitude, and attack timing.
 - b. Ensure that the air forces confirm the air corridor, attack altitude, and attack timing.
- GA50. **Direct attack on targets (TAC Pam 50-28)**
- a. Execute JSEAD.
 - b. Direct CAS to targets.
 - c. Identify targets for aircraft using smoke, laser, geographic references, etc.
- GA51. **Continuously update aircraft (TAC Pam 50-28;TAC Pam 50-20)**
- a. Anticipate ground maneuver speed.
 - b. Continuously give aircraft known and probable locations of enemy forces.
 - c. Continuously give aircraft locations of friendly forces.
 - d. Continuously update aircraft on the ground tactical situation.
- GA52. **Request pilot observations (MCM 3-3, Vol VIII)**
- a. Determine size of enemy forces.
 - b. Determine enemy disposition.
 - c. Determine type of enemy force.
 - d. Identify movement.
- GA53. **Disseminate pilot observations (MCM 3-3, Vol VIII)**
- a. TACP receives pilot tactical observations.
 - b. TACP ensures all pilot tactical observations are immediately passed to the S2, S3, Commander, and other aircraft.

- GA54. **Determine Battle Damage Assessment** (TAC Pam 50-22;MCM 3-3, Vol VIII)
- a. Identify friendly aircraft losses.
 - b. Identify enemy personnel and equipment losses by type, estimated quantity, and location.
- GA55. **Execute FAC handoff** (TAC Pam 50-28;TAC Pam 50-22;MCM 3-3, Vol VIII)
- a. Designate FAC responsibilities (in cases of multiple FAC's).
 - b. Update incoming FAC on situation.
 - c. Ensure continuous and unimpeded CAS support.
 - d. GFAC prepared to assume direct control of aircraft.

APPENDIX B: OBSERVER/CONTROLLER REMARKS

Observer/Controllers from JRTC included specific comments on the different tasks. The O/Cs are identified in the data collections forms/booklets by their JRTC Call Signs. Listed below are the O/C team positions and Call Sign identifiers of the O/Cs participating in the verification test. The source of any comments to the tasks can be identified by the O/C Call Sign.

Observer/Controller Team Position	Identifiers (Call Signs)		
	Brigade Team	Task Force 1	Task Force 2
Team Senior O/C	B06	C06	Y06
Senior Operations O/C	B05	C03	Y03
Operations O/C	B03	C03A	Y03B
Intelligence O/C	I30	I10	I20
Fire Support O/C	F20	F30	F40
Air Defense O/C	B20	B30	B40
Signal O/C	B60	B63	B66
Aviation O/C	B71	N/A	N/A

Air Force TACP Observer/Controller Team

Senior TACP O/C	T06
TACP Operations O/C	T02
Team Field Control	T01
TF CAS Execution O/C	T04
TF CAS Execution O/C	T07
Commander, Air Warrior II	BLUE 2
Contractor Observer	H01

Starting at page B-2 is a Task Remarks Comparison Report, Rotation Summary that includes all O/C remarks, listed by task.

TASK REMARKS COMPARISON, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task# Task Description
Mission O/C

Remarks

M01 Conduct mission analysis (AMTP 71-3, Task 71-3-3001; FM 101-5)

FORCED ENTRY	I30	LZ selection was poor and not verified during IPB process.
FORCED ENTRY	B05	TAC ROE WAS IDENTIFIED BUT NOT SPECIFICALLY DESIGNATED FOR CAS.
OFFENSE	B05	XO AND S3 IN THEIR MISSION ANALYSIS DID NOT SPECIFY ANY SPECIFIC ROE THAT APPLIED TO CAS/AIR OPERATIONS. I BELIEVE THE FSO ADDRESSED THIS WHEN HE SPECIFIED TASKS AND CONSTRAINTS.
OFFENSE	F20	DONE BY STAFF COLLECTIVELY.
FORCED ENTRY	F30	ALO WAS AT THE ISB, BUT I DID NOT SEE HIM PARTICIPATE IN MISSION ANALYSIS AT ANY TIME WITH THE GROUND MANEUVER STAFF.
FORCED ENTRY	B30	PLT LDR CONDUCTS A MISSION ANALYSIS FOR AIR DEFENSE. HE HAS NO PORTION FOR CAS.
FORCED ENTRY	B63	FOR COMMO.
OFFENSE	B30	N/A FOR ADA LT.
FORCED ENTRY	Y03B	MISSION ANALYSIS WAS VERY WEAK. STAFF DID NOT CONDUCT GOOD ESTIMATES. ALO DID NOT PLAY BIG ROLE IN PLANNING PROCESS...NOT INTEGRATED WITH FSO IN TARGETING PROCESS.
FORCED ENTRY	I20	SPECIFIC TALK ABOUT CAS WAS NOT OBSERVED. ALO WAS NOT SEEN IN OR AROUND PLANNING OPERATIONS.
DEFENSE	Y03B	ALO NOT PRESENT DURING MISSION ANALYSIS.
OFFENSE	Y03B	ALO NOT PRESENT DURING MISSION ANALYSIS.

M02 Determine the commander's intent (AMTP 71-3, Task 71-3-9001; FM 101-5)

FORCED ENTRY	B05	- HIGHER CDR'S INTENT FOR FIRES WAS ANALYZED. - UNIT CDR'S INTENT FOR FIRES WAS DEVELOPED, BUT NO SPECIFIC INTENT FOR CAS IDENTIFIED.
DEFENSE	F20	CDR'S GUIDANCE FOR FIRE SUPPORT DID NOT ADDRESS CAS.
OFFENSE	B05	THERE WAS NOT A SPECIFIC CDR'S INTENT FOR CAS. CAS WAS BROUGHT IN UNDER THE FOLD OF "FIRES".
OFFENSE	F20	DON'T BELIEVE WE RELATED SPECIFIC CAS SORTIES TO WHAT WE THOUGHT THE CDR WANTED TO ACCOMPLISH.
FORCED ENTRY	F30	CAS WAS IDENTIFIED IN THE FIRE SUPPORT ANNEX ALONG WITH ATTK AVN TO DESTROY HIGH PAYOFF TGTS.
FORCED ENTRY	B30	NOT REQUIRED OF ADA PLT LDR.
FORCED ENTRY	B63	FOR COMMO.
DEFENSE	B30	PL DOES HIS OWN.
DEFENSE	B63	B. CDR'S INTENT FOR CAS DEVELOPED VERBALLY - ALO DID NOT GET COPY OF ORDER.
OFFENSE	B30	N/A FOR ADA. HE DOES THIS FOR ADA, NOT CAS.
FORCED ENTRY	Y03B	CAS NOT ADDRESSED IN CDR'S INTENT OR IN FS ANNEX EXCEPT FOR NUMBER OF SORTIES AND WHICH TARGETS THEY WOULD LOOK FOR.
DEFENSE	Y03B	ALO NOT PRESENT DURING PLANNING PROCESS.
OFFENSE	Y03B	ALO NOT PRESENT DURING MISSION ANALYSIS AND CDR'S PLANNING GUIDANCE.

M03 S2 prepares Intelligence Estimate (AMTP 71-3, Task 71-3-2001; FM 34-1)

FORCED ENTRY	I30	LZ selection was poor and unconfirmed.
FORCED ENTRY	B05	NOT A SPECIFIC MANEUVER TASK - S3 ASSISTED ALONG WITH OTHER BOS REPS IN ASSISTING THE S2 ANALYZE THE AREA AND THE ENEMY.

TASK REMARKS COMPARISON, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Task Description	Mission	O/C	Remarks
	OFFENSE		B05	NOT A S3 TASK, THIS IS S2 SPECIFIC.
	OFFENSE		F20	S2
	FORCED ENTRY		F30	SEE INTEL BOOK.
	FORCED ENTRY		B30	NOT REQUIRED OF ADA PLT LDR WHEN APPLIED TO CAS PLANNING.
	DEFENSE		I10	TALKED TO BALO ABOUT TARGETS, BUT DID NOT RECOGNIZE HOW USEFUL PILOT INFORMATION COULD BE.
	OFFENSE		B30	N/A FOR ADA.
	FORCED ENTRY		Y03B	AIRCRAFT NOT INTEGRATED INTO S2'S COLLECTION AND R&S PLAN - DID NOT QUERY BDE S2 FOR INFO ON WHAT AIRCRAFT HAD SEEN.
	FORCED ENTRY		I20	B. THIS UNIT FOCUSES PRIMARILY ON ARMY AIR. CAS INTEGRATION WAS NO OBSERVED.
	DEFENSE		I20	A. IPB WAS NOT CONTINUOUS PROCESS. B. ALO AND S2 DID NOT WORK/COMMUNICATE WITH EACH OTHER VERY MUCH.
	OFFENSE		Y03B	ALO NOT INVOLVED IN IPB PROCESS AT ALL.
	OFFENSE		I20	ALO AND S2 DID NOT HAVE ANY INTERACTION.
M04	S2 analyze the terrain			(AMTP 71-3, Task 71-3-2001, 2003; FM 34-1)
	FORCED ENTRY		B05	NOT A SPECIFIC MANUEVER TASK - S3 ASSISTED S2 OR BROUGHT OUT COMMENTS AS S2 BRIEFED.
	DEFENSE		I30	DID NOT IDENTIFY WEAKNESSES IN THE FRIENDLY SCHEME OF MANUEVER. POSITIONING DID NOT MAKE GOOD USE OF TERRAIN TO DELAY AND DISRUPT THE ENEMY MAIN EFFORT.
	DEFENSE		B20	B. DONE BY THE ADO. IT WAS ADEQUATE, HOWEVER, ADO FAILED TO UPDATE AIR AVENUES BASED UPON THE THREAT ACTIVITY.
	OFFENSE		B05	THIS IS S2 SPECIFIC - S3 DID ASSIST THE S2.
	OFFENSE		F20	S2. ALO NEVER TALKS TO S2.
	OFFENSE		I30	DID NOT CONDUCT PATTERN ANALYSIS OF ENEMY AIR OPERATIONS TO CONTAIN AIRE AVENUE OF APPROACH.
	OFFENSE		B20	B. AIR IPB PERFORMED BY ADO.
	FORCED ENTRY		B30	AIR DEFENSE OFFICER DOES DO AN AIR IPB TO IDENTIFY ENEMY AIR AVENUES OF APPROACH.
	DEFENSE		B30	S2 FUNCTION, NOT AD PLT LDR.
	OFFENSE		B30	N/A FOR ADA. HE DOES NOT DO GROUND IPB.
	FORCED ENTRY		I20	B. S2 AND ADA WORKED TOGETHER ON THIS. ALO WAS NOT OBSERVED IN THIS PROCESS.
	DEFENSE		I20	B. S2 AND ALO ONCE AGAIN WERE WORKING TOGETHER VERY INFREQUENTLY. THE S2 WORKED WITH ADA ALOT MORE CLOSELY.
	OFFENSE		I20	A. S2 DEVELOPED COUNTER ATTACK AA ON HIS OWN. NO INFO WAS PROVIDED FROM BDE. B. BICC DID VERY GOOD JOB ON TRACKING WX AND ANALYZING FUTURE WX AGAINST FUTURE OPERATIONS.
M05	S2 analyze the enemy situation			(AMTP 71-3, Task 71-3-2001, 2003, 2005; FM 34-1)
	FORCED ENTRY		B05	NOT A MANUEVER SPECIFIC TASK - S3 ASKED QUESTIONS AND POINTED AREAS OUT AS S2 BRIEFED.
	DEFENSE		I30	DID NOT IDENTIFY AND TRACK THE ENEMY MAIN EFFORT.
	OFFENSE		B05	S2 SPECIFIC - DURING TARGETING PROCESS WHICH RARELY OCCURED, THE TARGETING INFO WAS "PULLED" OUT OF THE S2.

TASK REMARKS COMPARISON, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Task Description	Mission	O/C	Remarks
	OFFENSE		I30	70% OF THE LOCATIONS OF ENEMY FORCE WERE NOT CONFIRMED. ADA THREATS WERE NOT TEMPLATED IN GREAT DETAIL. OVER LOOKED THE POSSIBILITY OF A SPOILING ATTACK. TARGETING EFFORT WAS SLOW. NO SENSE OF URGENCY.
	OFFENSE		B30	N/A FOR ADA PLT LDR.
	FORCED ENTRY		Y03B	NO TARGETING DONE AT BN TF LEVEL. FAIRLY GOOD ANALYSIS ON ENEMY ADA CAPABILITIES/COAS BASED ON THEIR IMPACT ON FRIENDLY AIR ASLT OPS...NOT CAS OPS.
	FORCED ENTRY		I20	B. - D. S2/S3/ADA WORKED TOGETHER WITH THIS. ALO WAS NOT SEEN. PRIMARY WORK WAS DONE BY ADA. E. WAS DONE BUT SPORADICALLY AND NOT IN DETAIL.
	OFFENSE		Y03B	S2'S ANALYSIS OF EW SITUATION INCOMPLETE. DID NOT USE ALL AVAILABLE COLLECTION ASSETS TO CONFIRM/DENY TEMPLATES.
	OFFENSE		I20	S3/FSO/S2 (TARGETING TRIAD) CONTINUES TO BE DISJOINTED AND NOT SYNCHRONIZED.
M06	S3/FSO develop/provide			friendly situation (AMTP 71-3, Task 71-3-3002, 3003, 3007,
	FORCED ENTRY		B05	A. THIS WAS INITIAL ORDER - STATUS OF FORCES WAS GIVEN, BUT EVERYONE WAS IN ISB. C. AVAILABLE AIRCRAFT - TOTAL NUMBERS WERE APPROXIMATE - S3 AND HIS LNOS DID NOT ANALYZE HOW THESE NUMBERS WOULD RESTRAIN THE BDE'S TIMING. F. TACROE SPECIFIED WHERE ONE COULD SHOOT, BUT THIS WAS NOT BROUGHT UP AT MSN ANALYSIS - CA REP DID NOT BRING THIS UP. G. BATTLE TRACKING WAS PLANNED, BUT NOT EXECUTED. TRIGGER POINTS FOR AIR REQUESTS NOT IDENTIFIED.
	DEFENSE		F20	LITTLE INTERFACE BDE FSO AND ALO.
	DEFENSE		I30	NO UAV AVAILABLE. S2 DID NOT PROVIDE GOOD BATTLE TRACKING WHICH WOULD HAVE ASSISTED IN TRIGGER POINTS FOR AIR REQUESTS AND TIMING OF BATTLE.
	OFFENSE		B05	UNIT AREAS BEHIND THE LD WERE NOT IDENTIFIED EITHER AS SECTORS OR AAS. HELICOPTER AAS, CORRIDORS, ETC. WERE NOT IDENTIFIED UNTIL DAY OF AMB (2 DAYS PRIOR TO ATTACK). MANUEVER PLAN WAS ONLY FOR AASLT - NO CONTINGENCY PLAN FOR ABORT.
	OFFENSE		I30	S2 WILL MONITOR UAV ACTIVITIES.
	OFFENSE		B71	FSO DID NOT GO TO THIS LEVEL OF PLANNING.
	FORCED ENTRY		F30	THE ONE SHORTFALL WAS THAT THE BRIGADE NEVER PUBLISHED UPDATED MANUEVER GRAPHICS WHEN THE BATTALION BOUNDRIES CHANGED.
	FORCED ENTRY		B30	NOT REQUIRED OF ADA PLT LDE IN REFERENCE TO CAS.
	DEFENSE		B30	SHOULD KNOW LOCATION OF ADA SITES.
	OFFENSE		B30	NO COORDINATION WAS DONE BY ADA LT WITH ALO.
	FORCED ENTRY		Y03B	NO DECISION SUPPORT TEMPLATE MADE, THEREFORE NO DECISION POINTS OR TAIS IDENTIFIED. BATTLE TRACKING OF FRIENDLY UNITS EXTREMELY WEAK.

TASK REMARKS COMPARISON, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task# Task Description

Mission

O/C

Remarks

FORCED ENTRY F40 F. BN CDR AUTHORIZED FIRES NEAR HAINSVILLE. BDA WAS ASSESSED IN VILLAGE. VIOLATED ROE OF FIRING INTO A NEA.

OFFENSE Y03B BATTLE TRACKING BELOW COMPANY LEVEL WEAK...NO DECISION SUPPORT TEMPLATE, THEREFORE NO DECISION POINTS, TRIGGER POINTS, TAIS, ETC.

M07 A2C2 element identify or develop air control measures (AMTP 71-3, Task 71-3-3012,

FORCED ENTRY B05 NOT MANUEVER. AVN LNO WITH S3 AIR CONDUCTED A2C2.

FORCED ENTRY B60 A2C2 COMMUNICATION ARCHITECTURE NOT UNDERSTOOD BY ALL!

DEFENSE I30 RPV/UAV NOT AVAILABLE.

DEFENSE B20 B. AND C.4. ADO WAS UNABLE TO DECONFLICT AIRSPACE AND MINIMIZE CHANCES FOR FRATRICIDE, DUE TO INACCURATE AD FIRE UNITS.

E.3) ,AND E.7) FAILURE TO IDENTIFY THESE A2C2 MEASURES REDUCED THE EFFECTIVENESS OF EW.

DEFENSE B71 A2C2 CELL WAS NOT INTEGRATED DURING THIS PHASE. IT DID PLAN ARMY AVIATION WELL, BUT DID NOT WORK COLLECTIVELY TO RECOGNIZE CONFLICT. A2C2 CELL MEMBERS ARE NOT SURE WHAT THEIR RESPONSIBILITIES ARE. PRIMARY CONCERNS: AVN, FS, CAS, ADA MEMBERS NOT WORKING TOGETHER.

OFFENSE B05 AVN/A2CS OC.

OFFENSE F20 ALO DOESN'T TALK TO A2C2 OR BCE ELEMENT.
N/A TO AVN.

OFFENSE I30 S2 MAY PROVIDE LOCATIONAL DATA FROM TERRAIN ANALYSIS FOR CERTAIN SITE SELECTION.

OFFENSE B20 B. MINIMAL INTERFACE WITH S3 AIR AND ADO.

C.4) POOR LOCATION REPORTS DUE TO INADEQUATE LAND NAVIGATION SKILLS DEGRADED THE ADO'S ABILITY TO DECONFLICT AIRSPACE.

E.3) , 7) NEVER PASSED TO SUBORDINATE LEADERS. THERE WERE NO FRIENDLY A/C FRATS DUE TO SAMS, BUT THE HIGH POTENTIAL EXISTED.

OFFENSE B71 E. 3) NOT FOR AIR FORCE, VERY WEAK A2C2 CELL AT BDE.

FORCED ENTRY F30 N/A AT BN LEVEL.

FORCED ENTRY B30 ADA PLT LDR IS A 'RECEIVE ONLY' FOR THIS INFO. THIS WAS NOT DONE DURING THIS PHASE. IT IS USUALLY NOT MONITORED OR PLAYED AT JRTC AT BN LEVEL.

FORCED ENTRY Y03B A2C2 NOT BRIEFED DURING OPORD OR DISPLAYED IN TOC.

OFFENSE Y03B NO TACP PRESENT IN TOC. ALO AND ETAL JUST SAT IN THEIR TRUCK 50 METERS AWAY FROM TOC. TOTALLY USELESS AS A COMBAT MULTIPLIER TO THE BN TF.

M08 Determine communication requirements (AMTP 71-3, Task 71-3-1101)

FORCED ENTRY I30 S2 provided MCOO and other terrain products which assisted the SIGO in site selection.

FORCED ENTRY B05 C. RETRANS NOT SET UP BETWEEN ISB PEASON.

D. UPON INITIAL ENTRY - COMMO WAS LOST. BDE XO USED TALCE TALKING TO CCT TO GET INFO OF ACTIONS VIA FLS.

FORCED ENTRY B60 ALL PLAYERS IN CAS DID NOT UNDERSTAND FLOW OF INFORMATION AND COMMUNICATIONS ARCHITECTURE.

TASK REMARKS COMPARISON, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Task Description	Mission	O/C	Remarks
	DEFENSE		B60	NEED TO DEVELOP A STANDARD ARMY - AIR FORCE COMMUNICATIONS WORKSHEET/MATRIX TO DEPICT COMMUNICATIONS REQUIREMENTS, CALLSIGNS, FREQUENCIES, AND INFO FLOW.
	OFFENSE		B05	SIGNAL TEO.
	OFFENSE		B60	ALO AND GROUND FORCE SIGNAL OFFICER ALONG WITH A2C2 STAFF ELEMENTS MUST DEVELOP AND PUBLISH, AS PART OF A GROUND FORCE OPORD, THE AIR-GROUND USE OF A2C2 COMMUNICATIONS ARCHITECTURE BASED ON COMMUNICATIONS REQUIREMENTS IN B. ABOVE.
	FORCED ENTRY		B30	NOT REQUIRED TO BE DONE BY ADA PLT LDR IN REFERENCE TO CAS.
	FORCED ENTRY		B63	B. NO COORDINATION WITH ARMY AVN. D. NOT DONE TO DATE, D+1.
	DEFENSE		B63	D. NOT REQUIRED FOR THIS MISSION.
	OFFENSE		B63	B. COORDINATION WITH ARMY AVN AT HIGHER LEVEL.
	FORCED ENTRY		Y03B	AIR/GROUND COMMUNICATIONS REQUIREMENTS NOT BRIEFED AS PART OF OPORD PARA 5 OR DURING FIRES PARAGRAPH. ALOS. NOT DISCUSSED IN FS ANNEX. ONLY AIR/GROUND COMMO CONSIDERATIONS WERE FOR AIR ASLT OPS (E.G. PZ CTRL FREQS).
M09	Establish communications (AMTP 71-3, Task 71-3-1102)			
	FORCED ENTRY		B05	NOT A MANUEVER TASK.
	FORCED ENTRY		B60	MUST BE A STANDARD ON WHO MUST BE IN NETS AND WHAT INFORMATION MUST BE PASSED OVER WHAT NET!
	DEFENSE		B71	ONE INCIDENT INVOLVED A-10S AND AH-64S WORKING TOGETHER ON A ONE HOUR MISSION. FREQS WERE NTO COORDINATED. AH-64S NEVER TALKED TO A-10S. THIS CAN BE FIXED BY INSURING ALL FREQS ARE PROVIDED IN THE AVN TF OPORD.
	DEFENSE		B60	A STANDARD COMMUNICATION PLAN/CHART FOR ARMY - AIR FORCE COMMUNICATIONS WILL MAKE COORDINATION AND INTEGRATION MORE SUCCESSFUL SO SYNCHRONIZATION WILL BE ACHIEVED. "PUT THE RIGHT ROUND ON THE RIGHT TARGET AT THE RIGHT TIME."
	OFFENSE		B05	SIGNAL TEO.
	OFFENSE		B60	A. AND B. SHOULD BE PART OF THE A2C2 COMMUNICATIONS ARCHITECTURE AS DISCUSSED ON PREVIOUS PAGE.
	FORCED ENTRY		B30	IFF IS NOT 'PLAYED' AT JRTC DUE TO MILES RESTRICTIONS.
	FORCED ENTRY		B63	B. TACP (BN LEVEL) IS LOWEST UNIT - DOES NOT MAKE DISTRIBUTION OF 1553S.
	DEFENSE		B63	A. AND B. DONE AT HIGHER LEVEL OF COMMAND - NOT INF BN ALO.
	OFFENSE		B63	A. DONE BY HIGHER. B. USE 1655. NEW ITEM SHOULD BE ADDED:
				COORDINATE FOR FREQUENCY SUPPORT THROUGH DIVISION (ARMY) ASSISTANT DIV SIGNAL OFFICER. EXAMPLE: WHEN USAF ALO HAS PROBLEMS WITH HF FREQS PROPAGATION, THE ARMY FREQ MANAGER CAN HELP.
	FORCED ENTRY		Y03B	NO DISCUSSION OF AIR FORCE FREQS IN COMMAND AND SIGNAL PORTION OF OPORD. DID NOT OBSERVE ALO CONDUCT ABOVE TASKS.
M10	Develop Air Defense Artillery control procedures (AMTP 71-3, Task 71-3-3007, 6001,			
	FORCED ENTRY		I30	S2 supported ADO in developement of b + e.

TASK REMARKS COMPARISON, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Task Description	Mission	O/C	Remarks
	FORCED ENTRY		B05	NOT A MANEUVER TASK.
	DEFENSE		B20	B. INACCURATE F.U. POSITIOINS REDUCED THE ADO'S ABILITY TO DECONFLICT AIRSPACE. C. AND E. INABILITY TO TRACK MRR, INGRESS/EGRESS ROUTES CAUSED AN INEFFICIENT EW SYSTEM. F. CONSIDERED BUT NOT APPROVED BY AREA AD CDR.
	DEFENSE		B71	ADA NOT WORKING WELL WITH A2C2 CELL/S3 AIR,
	OFFENSE		B05	ADA SPECIFIC.
	OFFENSE		F20	ADA
	OFFENSE		B20	B. T.O. WAS DEVELOPED, BUT DEFENSE DESIGN WAS INACCURATE DUE TO POOR LAND NAVIGATION SKILLS. C. DEW WAS INADEQUATE. D. F.U.S FREQUENTLY DID NOT RECEIVE TIMELY CHANGES,. E. NEVER PASSED TO SUBORDINATE LEADERS. F. ATTEMPTED BUT NOT APPROVED BY DIV.
	FORCED ENTRY		F30	NEVER SAW ANY TRACKING OF ADA STATUS BY THE FSO.
	FORCED ENTRY		B30	THIS WAS NOT DONE.
	FORCED ENTRY		Y03B	NO CHANGES MADE OR DISSEMINATED CONCERNING ADA STATUS. BATTLE TRACKING OF FRIENDLY ADA UNITS WEAK. NO ROAS OR WFZS IDENTIFIED OR BRIEFED DURING ORDER.
M11	Coordinate Army Aviation employment (AMTP 71-3, Task 71-3-3011, 3012, 7001; FM			
	FORCED ENTRY		I30	LZ selection poor and unconfirmed.
	FORCED ENTRY		F20	No discussion of using ATK AVN & CAS integrated observed.
	FORCED ENTRY		B05	CAP AND LIMITATIONS OF AVN A/C CAME LATE IN PLANNING PROCESS (AFTER COA DECISION BRIEF). B2 FOR ATK HELICOPTERS WAS NEVER IDENTIFIED OR COORD.
	FORCED ENTRY		B71	NOT DONE IN THIS PHASE.
	DEFENSE		I30	S2 CONTRIBUTES IN A., C.,E., F.1). CAN ALSO PROVIDE INPUT TO F.3) AND F.4) BDE AND S2 CAN REQUEST QUICKFIX (EH-60) TO SUPPORT JSEAD AND DID DURING OPERATION. EH-60 , A DIVISION ASSEST, WAS NOT VERY EFFECTIVE.
	DEFENSE		B71	ITEM D. LACK OF CAUSED MANY FRATS.
	OFFENSE		B05	AVN OC.
	OFFENSE		I30	HAD TROUBLE DETERMINING LZ WAS CLEAR.
	OFFENSE		B71	C. NO CROSS-COORDINATION AT BDE LEVEL TO ENSURE ARMY AND AIR FORCE COMMUNICATED. H. GOOD SEAD PLAN, WEAK EMPLOYMENT OVERALL.
	FORCED ENTRY		B30	TASK NOT REQUIRED TO BE DONE BY ADA PLT LDR.
M12	S2 determine enemy ADA threat (AMTP 71-3, Task 71-3-2003, 2005)			
	FORCED ENTRY		B05	NOT A S3 TASK.
	DEFENSE		I30	OVERLOOKED SA-14 THREAT WHICH REMAINED IN AO. LOST 1 OH-58 AND 1 AH-64.
	OFFENSE		B05	S2/ADA SPECIFIC.
	OFFENSE		I30	PREDICTED ACTIVITIES OF ENEMY ADA AND LOCATIONS WAS WEAK.
	FORCED ENTRY		B30	THE ADA PLT LDR DOES THIS WITH THE S2. BOTH SHOULD COLLABERATE, BUT IT WAS NOT DONE VERY WELL THIS MISSION.

TASK REMARKS COMPARISON, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Task Description	Mission	O/C	Remarks
	DEFENSE		I10	KNOWS HOW THE ENEMY WILL EMPLOY ADA, BUT DOES NOT CONSIDER IMPORTANCE.
	FORCED ENTRY		Y03B	TARGETING PROCESS NOT INTEGRATED BETWEEN S2/FSO/ALO/S3...S2 DID NOT CREATE A HIGH VALUE TGT LIST. STAFF DID NOT PRODUCE A BN TF HIGH PAYOFF TGT LIST OR ATTACK GUIDANCE.
	FORCED ENTRY		I20	INITIALLY DURING THE PLANNING PROCESS THIS WAS DONE. DURING THE OPERATION THIS WAS SPORADIC AND LEFT TO CHANCE. THE S2 WAS LEFT OUT OF THE INTEL LOOP DURING ACTUAL OPERATION BECAUSE HE DIDN'T ARRIVE TO AO UNTIL HOURS LATER. HE RELIED ENTIRELY ON BDE LEVEL INTEL.
	DEFENSE		I20	B. WAS NOT IDENTIFIED AS A PIR ON IR. COMPLETELY UTILIZED ON BDE ASSETS AND NOT ON BN ASSETS AS WELL. D. S2/S3/FSO DID NOT WORK TOGETHER ON THIS.
	OFFENSE		Y03B	ALO NOT INVOLVED IN TARGETING PROCESS.
	OFFENSE		I20	B. S2 TEMPLATED LOCATIONS AND BATTALION CDR EMPHASIZED THE NEED PIR TO LOCATE ENEMY ADA ASSETS. SCOUTS AND GROUND TROOPS WERE PLANNED TO RECON NAIS TO FIND THEM IN R&S PLAN.
M13	Develop fire support plan (AMTP 71-3, Task 71-3-3009, 3012, 9001, 9002; FM 6-20)			
	FORCED ENTRY		F20	Fire support plan was overall adequate.
	FORCED ENTRY		B05	FSO (TASK)
	DEFENSE		B71	DID NOT PLAN FOR JAAT OR BUILD FS PLAN TO SUPPORT IT.
	OFFENSE		B05	FS SPECIFIC.
	FORCED ENTRY		B30	NOT REQUIRED OF ADA PLT LDR.
	OFFENSE		F30	FSO AND FIRE SUPPORT CELL KEPT ABSOLUTELY NO STATUS WITH CRITICAL INFO AND NO MAPBOARD WITH ARTY LOCATIONS, ETC.
	FORCED ENTRY		Y03B	MINIMAL FIRE SPT COORDINATION MEASURES. BDE CHANGED ITS PLAN YET DID NOT UPDTE FIRE SPT COORDINATION MEASURES.
	OFFENSE		Y03B	ALO NOT INVOLVED IN FIRE SUPPORT PLANNING...NOT INTEGRATED INTO SYNCHRONIZATION MATRIX.
M14	Plan JSEAD (Joint Suppression of Enemy Air Defenses) (AMTP 71-3, Task 71-3-2006,			
	FORCED ENTRY		F20	Based on Bde CO,s guidance, SEAD not a big consideration. No Joint assets available for SEAD.
	FORCED ENTRY		B05	ENEMY SITUATION BETWEEN THE ISB AND PEASON WAS NOT ADDRESSED.
	DEFENSE		I30	S2 DID NOT TRACK SA-14 THREAT. THERE WAS NO REAL EFFORT TO SUPPRESS ENEMY ADA FOR CAS AND ATK AVN.
	DEFENSE		B71	SEAD WAS NEVER ACTUALLY PLANNED.
	OFFENSE		B05	AVN/S2/FS SPECIFIC.
	OFFENSE		F20	REQUESTED THE FSE AND EV CHANNELS USE OF AIR FORCE PLATFORMS.
	OFFENSE		I30	ADA THREAT NOT FULLY DEVELOPED. SEAD AVAILABLE, PARTICULARLY EW, NOT UNDERSTOOD. LACK OF UNDERSTANDING OF HOW HIGHER CAN ASSIST IN LOCATING EMITTER.
	OFFENSE		B71	GOOD SEAD PLAN/EXECUTION FOR AASLT OPERATION.
	FORCED ENTRY		B30	ADA PLT LDR CAN HELP WITH TARGETING LOCATIONS. IT WAS NOT DONE.
	DEFENSE		F30	JSEAD NORMALLY PLANNED AT BDE NOT BN LEVEL.
	FORCED ENTRY		Y03B	COLLECTION PLAN DID NOT INCLUDE TGT ACQUISITION OF SA-14 TEAMS.

TASK REMARKS COMPARISON, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Task Description	Mission	O/C	Remarks
	FORCED ENTRY	I20		A. S2 TEMPLATED DSHK POSITIONS WHICH WAS VERY ACCURATE. NO CAS OPERATIONS AT BN LEVEL WERE INTEGRATED. ARMY AIR WAS THE FOCUS FOR SUPPRESSION. CAS WOULD HAVE BEEN EFFECTIVE IF LRSD AT BDE/CAS AND FSO FOCUSED MORE ON THE TEMPLATE AND TARGETING. AS A RESULT THE DSHKS BROUGHT HEAVY CASUALTIES ON BLUEFOR.
	DEFENSE	I20		SEE TASK NUMBER M12.
	OFFENSE	B40		C. NAD D. BDE PLANNED.
M15	Analyze targets (AMTP	71-3, Task 71-3-2003, 2006, 3004, 9003, 9004; FM 6-20)		
	FORCED ENTRY	B05		TARGETING MEETING CONDUCTED. TARGET PRIORITIES IDENTIFIED BY TARGETING CELL. S2 DID NOT PROVIDE ACTUAL GRIDS OF ALL PROBABLE ENEMY LOCATIONS. ALO NOT PRESENT, BUT FSO DETERMINED WHAT TARGETS WE SHOULD ENGAGE.
	DEFENSE	I30		TARGETING EFFORT WAS WEAK. CAS WAS RARELY DIRECTED SOMEWHERE. IN MOST CASES IT WAS TARGETS THEY FOUND.
	OFFENSE	B05		S2/FSO/ALO.
	OFFENSE	F20		MINIMAL COORDINATION BETWEEN FSO AND ALO. NO CHART POSTED IN BDE TOC.
	OFFENSE	I30		TRAGETING EFFORT WEAK; LITTLE ANALYSIS, NO CONFIRMATION ATTEMPTS.
	FORCED ENTRY	B30		NOT REQUIRED OF ADA PLT LDR.
	FORCED ENTRY	I20		ALO DIDN'T SEEM TO BE AN INTEGRATED PART OF OPERATION. WHEN ALO WAS OBSERVED, NO GOOD TARGETS WERE IDENTIFIED. ALO DIDN'T HAVE ANY IDEA OF WHAT TYPE OF ORDINANCE THE A-10 WAS BRINGING.
	DEFENSE	Y03B		BN TF DID NOT USE TARGETING PROCESS.
	DEFENSE	I20		B. WHEN THEY TALKED IT WAS NOT EXTENSIVE INFORMATION FLOW ABOUT TARGETING. S2 DID NOT HAVE MUCH INFO, AND NO INFO THAT BDE DIDN'T ALREADY HAVE.
	OFFENSE	Y03B		ALO NOT INVOLVED IN TARGETING PROCESS...DID NOT COORDINATE WITH S2 AT ALL.
M16	Determine ground priority targets (AMTP	71-3, Task 71-3-3005)		
	FORCED ENTRY	B05		FSO IDENTIFIED TARGETS.
	DEFENSE	B03		B.2) SPECIFICALLY FIRE SUPPORT AND ARMY AVIATION.
	DEFENSE	I30		TARGETING PROCESS WAS WEAK. NO TARGETING MEETING FROM D-3 TO D+7.
	DEFENSE	B71		DID NOT COORDINATE WITH ATK AVN LNO TO INTEGRATE WITH ATK AVN.
	OFFENSE	B05		FSO DID ALL THE WORK - HE RAN TARGETING MEETING. XO AND S3, ALONG WITH THE OTHER STAFF, 'LISTENED' AS THE FSO TOLD THEM WHAT WE SHOULD TARGET.
	FORCED ENTRY	B30		NOT REQUIRED OF ADA PLT LDR.
	OFFENSE	B30		N/A FOR ADA, THE S3/FSO AND ALO DO THIS.
	FORCED ENTRY	Y03B		TARGETING PROCESS NOT USED...SEE EARLIER COMMENTS ON HVT2, HPTS, ATTACK GUIDANCE.

TASK REMARKS COMPARISON, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Task Description	Mission	O/C	Remarks
	FORCED ENTRY	I20		BN S2 DID NOT RECEIVE A HVT LIST FROM BDE NOR DID HE DEVELOP HIS OWN.
	DEFENSE	I20		S2 DID NOT PROVIDE HVT LIST TO S3 OR FSO.
	OFFENSE	Y03B		ALO NOT INTEGRATED INTO STAFF PLANNING PROCESS.
	OFFENSE	I20		S2 DID NOT IDENTIFY HVTS. NONE WERE SENT DOWN FROM BDE!
M17	Develop ground scheme of maneuver (AMTP 71-3, Task 71-3-3001, 3002, 3004, 3009)			
	FORCED ENTRY	B05		USED GLINT TAPE. AVIATORS HAD BPS.
	DEFENSE	F20		7.C. ARMOR/MECH ID ONLY DISCUSSED.
	OFFENSE	B05		GLINT TAPE IN TOP OF TGE HELMETS WERE TO BE THE WAY TO MARK FRIENDLY SOLDIERS - NOT ALL HAD (IT). TANKS/VEHICLES NEED MARKING --- BDE NEEDS TO HAVE A BDE STANDARD.
	OFFENSE	F20		MANEUVER GRAPHICS CHANGING ALONG WITH PLAN.
	FORCED ENTRY	F30		S3 FUNCTION.
	FORCED ENTRY	B30		NOT REQUIRED OF ADA PLT LDR WHEN PLANNING FOR CAS.
	DEFENSE	B30		PLT LDR DID NOT DO THIS.
	FORCED ENTRY	Y03B		BDE PLAN CHANGED...UPDTED CONTROL MEASURES NOT DISSEMINATED. BATTLE TRACKING OF SCOUTS NONEXISTENT.
	DEFENSE	Y03B		ALO DID VERY POOR JOB OF BATTLE TRACKING FRIENDLY UNITS.
	OFFENSE	Y03B		NO BATTLE TRACKING OF FRIENDLY UNITS BY S2.
M18	Continuously Analyze Intelligence Developments (AMTP 71-3, Task 71-3-2003, 2006)			
	FORCED ENTRY	B05		S2 (TASK)
	DEFENSE	I30		AS STATED BEFORE, TARGETING EFFORT WAS WEAK. ANALYSIS OF INFORMATION IS NOT ALWAYS UP TO PAR. ORGANIC ASSETS NOT UTILIZED CORRECTLY.
	OFFENSE	B05		INTEL SPECIFIC.
	OFFENSE	F20		ALO DID NOT GET OBJECTIVE SKETCHES FROM PILOTS OR IN FLIGHT REPORTS. DID NOT MAINTAIN A LOG ON WHAT HE RECEIVED.
	OFFENSE	I30		ASSETS INITIALLY NOT PROPERLY POSITIONED. LACK OF UNDERSTANDING OF WHAT DIVISION CAN DO. SCOUT PLTS TOOK HEAVY LOSSES. TARGETING EFFORT WAS SLOW AND WEAK.
	FORCED ENTRY	Y03B		REPORTING OF ENEMY INFORMATION NOT ADEQUATELY ANALYZED AND DISSEMINATED BY S2. NO USE OF TACTICAL INFO OBSERVED BY AIRCRAFT.
	FORCED ENTRY	I20		THIS WAS DONE, BUT ALO WAS NOT A PART OF THIS. FSE, S2, AND S3 DO NOT WORK CLOSELY ON TARGETING TRIAD.
	OFFENSE	Y03B		S2 DID NOT UTILIZE ALL AVAILABLE SOURCES OF INFORMATION. RELIED PRIMARILY ON SCOUT INFO.
M19	Initiate Close Air Support (CAS) request (AMTP 71-3, Task 71-3-3--4, 3009; FM 90-21)			
	FORCED ENTRY	F20		They've been done by ALO. I have not monitored.
	DEFENSE	I30		TARGET DEVELOPMENT WEAK.
	DEFENSE	B71		E. ATO SHOULD BE ACO, AIRSPACE CONTROL ORDER. DID NOT SEE ANY REQUESTS FOR CONTROL MEASURES - MRRS SPECIFICALLY.
	OFFENSE	B05		ALO SPECIFIC.
	OFFENSE	F20		D. ALO WRITES AND SENDS PREPLANNED. S3 DOESN'T INTEGRATE. FSO ASSISTS.

TASK REMARKS COMPARISON, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Task Description	Mission	O/C	Remarks
				F. NO IMMEDIATE REQUESTS SENT.
	FORCED ENTRY	B30		NOT REQUIRED OF ADA PLT LDR.
	FORCED ENTRY	Y03B		NO USE OF CAS BY BN.
M20	Determine what air is planned (AMTP 71-3, Task 71-3-3004)			
	FORCED ENTRY	I30		QF asset (EH-60) was not tracked well. S2 did not know when they collected nor what they received. Did not coordinate specific jamming mission.
	FORCED ENTRY	B05		S3 AIR AND AVN LNO REVIEWED ATO WITH ALO.
	DEFENSE	F20		ALO DOES NOT POST INFO IN TOC OR ANNOUNCE WHEN CAS INBOUND, OFF STATION, ETC.
	OFFENSE	B05		S3 AIR IN CONJUNCTION WITH ALO DETERMINED WHAT AIR WAS AVAILABLE OFF OF THE ACO.
	OFFENSE	I30		MAY SUPPORT S3 IN DETERMINING EQ CAPABILITIES. GROUND EW ORGANIC TO BDE FOR COMMS JAMMING WAS NONOPERATIONAL. AF FOR AIR COMMS JAMMING WAS NOT EFFECTIVE.
	FORCED ENTRY	B30		THIS IS IMPORTANT SO THE ADA PLT LDR CAN PASS THIS INFO TO THE ADA FIRE UNITS AND REDUCE CHANCE OF FRATRICIDE. IT WAS NOT DONE.
	DEFENSE	B40		ADO IS NOT COORDINATING TO GET ATO FROM ALO.
M21	Determine what air is available (AMTP 71-3, Task 71-3-3004, 3009)			
	DEFENSE	I30		S2 SHOULD BE CONCERNED WITH AIRCRAFT AVAILABLE, SUCH AS EW OR RECCE.
	OFFENSE	F20		C. AND D. S3 NOT COORDINATED WITH ALO. NO MENTION OF CAS, PRECOORDINATION WITH S2/S3/FSE ON THREAT FROM ADA OR TARGETS TO BE ATTACKED.
	FORCED ENTRY	B30		ADA PLT LDR NEEDS TO KNOW WHAT AND WHEN AIRCRAFT IS COMING. IT WAS NOT DONE.
	FORCED ENTRY	Y03B		USE OF USAF AIRCRAFT NO CONSIDERED IN FRIENDLY COA (BN LEVEL).
M22	Determine target identification procedures (AMTP 71-3, Task 71-3-9004; FM 6-20)			
	DEFENSE	B71		COULD HAVE INTEGRATED ARMY AVN SCOUTS AND AH-64S IN LOCATING/IDENTIFICATION OF TARGETS.
	OFFENSE	B05		ALTHOUGH NOT OBSERVED - I FEEL THIS WAS NOT DONE.
M24	Organize for combat (AMTP 71-3, Task 71-3-3001, 3002)			
	FORCED ENTRY	B05		ALO FLEW IN BDE C2 BIRD, THEN LANDED TO LINK UP WITH TAC.
	OFFENSE	B05		ALO SPECIFIC.
	DEFENSE	F30		BOTTOM LINE ON THE ONE MISSION I OBSERVED:
				1. ALO WAS NOT SURE OF STATION TIME.
				2. UNCLEAR ON WHETHER BDE WAS CONTROLLING THE JAAT WITH ATTK AVIATION AND IF A-10S WOULD BE AVAILABLE FOR USE IN THE BN SECTOR.
				3. NO CLEAR CONTROL MEASURES ESTABLISHED BETWEEN A-10S AND ATTK HELOS.
				4. HELOS WERE LATE, NOT ON STATION AND WE NEVER REALLY KNEW IT.

TASK REMARKS COMPARISON, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Task Description	Mission	O/C	Remarks
	FORCED ENTRY	Y03B		BN DID NOT HAVE GOOD PLAN FOR GETTING REDUNDANT C2 NODES ON THE GROUND DURING INITIAL AIR ASLT. ALSO NOT ON GROUND WITH BN CDR AND FSO. FSO BECAME CASUALTY. BN CDR HAD NO MEANS TO REQUEST OR CONTROL CAS UNTIL HIS ALSO ARRIVED ON D+2.
M25	Confirm aircraft allocation (AMTP 71-3, Task 71-3-3004, 3009)			
	FORCED ENTRY	B05		ALO PROVIDED INFO ICW S3 AIR/AVN.
	DEFENSE	F20		LITTLE INTERFACE FSO/ALO. ALO MAINTAINS NO STATUS BOARD.
	OFFENSE	B05		S3 AIR WITH ALO CONFIRMED A/C AVAILABILITY.
	OFFENSE	F20		NOT DISPLAYED IN TOC OR DISCUSSED WITH FSE OR S3.
	OFFENSE	I30		S2 DETERMINED AVAILABLE RECCE FLIGHTS.
	DEFENSE	F30		CONFUSION BETWEEN BDE AND BN AS TO EXACTLY WHAT IS ON STATION AND WHO IT IS AVAILABLE FOR.
	OFFENSE	B30		PLT LDR SHOULD GET THIS INFORMATION, BUT HE DIDN'T.
	DEFENSE	F40		NOT BRIEFED TO MANUEVER CDR.
M26	Integrate CAS with Brigade Synch Matrix (AMTP 71-3, Task 71-3-3004, 3009, 9002; FM			
	FORCED ENTRY	I30		a. S2 in conjunction with staff did not prepare a DST. b. S2 No event template prepared to assist this process. c. S2 provided accurate templated enemy postions for targeting.
	FORCED ENTRY	B05		SYNCH HAD CAS ON STATION ONLY.
	FORCED ENTRY	B60		UNIT DID NOT INTEGRATE CAS INTO OVERALL BDE SYNCH MATRIX OR PLANNING PROCESS. ALO DID NOT ASSIST IN IDENTIFYING TARGETS, AMMO TYPE, AND SYNCHRONIZATION TIMING OF CAS SUPPORT. A GENERIC CAS PLAN WAS DEVELOPED.
	DEFENSE	F20		CAS MENTIONED ON FIRE SUPPORT EXECUTION MATRIX. NOT MENTIONED ON BDE EXECUTION CHECKLIST. NO BDE SYNCHRONIZATION MATRIX COMPLETED.
	DEFENSE	I30		S2 AND STAFF DID NOT PREPARE A DST. S2 HAD GOOD TIMELINES FOR ENEMY ATTACK.
	DEFENSE	B20		DID NOTE THAT ARMY AVIATION WAS UNABLE TO COME UP AND WORK A JAAT WITH A-10S. BELIEVE IT WAS DUE TO WEATHER ON D+4. WHEN ALO'S (NIGHT) CAME ON STATION THERE WAS NO ALO IN THE BDE TOC DURING EITHER PERIOD (D+5).
	OFFENSE	B05		SYNCHRONIZATION MATRIX WAS DONE - ONLY TIMING FOR CAS WAS "ON STATION". NO DST DEVELOPED.
	OFFENSE	F20		BDE SYNCHRONIZATION MATRIX NOT DONE.
	OFFENSE	I30		DST NOT DONE. DID NOT PROVIDE GOOD SUPPORT TO THE TARGETING EFFORT.
	OFFENSE	B71		NEVER SYNCHRONIZED THE ATTACK PLAN WITH ARMY AVN.
	FORCED ENTRY	F30		CAS WAS ON STATION TWICE (DURING) THE PERIOD OF D-1 TO D+2. ALO HAD JUST HIT THE GROUND AT 2100 ON D-1 WHEN AI-10S SHOWED UP. THE BN HAD NO TARGETS FOR THEM TO ENGAGE. NEXT STATION TIME ON D+1 WAS CANCELLED DUE TO WEATHER.
	FORCED ENTRY	B30		ADA PLT LDR IS PRESENT AT BN SYNCHRONIZATION MATRIX, BUT TIMING AND SYNCHRONIZATION ISN'T REQUIRED. AIR DEFENSE PLT

TASK REMARKS COMPARISON, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task# Task Description
Mission O/C

Remarks

			LDR ONLY NEEDS INFO FROM TASK M25.
	OFFENSE	B30	N/A FOR ADA.
	FORCED ENTRY	Y03B	NO BN DST.
	FORCED ENTRY	I20	DID NOT SEE A DST AT BN OR BDE!
	DEFENSE	Y03B	NO DST OR OTHER SYNCHRONIZATION TOOLS USED.
	OFFENSE	Y03B	NO DST PRODUCED - NO OTHER SYNCHRONIZATION TOOLS USED.
M27	Fire Support Element		integrates CAS (AMTP 71-3, Task 71-3-3004, 3009, 9002; FM 6-20)
	FORCED ENTRY	B05	FSO (TASK)
	FORCED ENTRY	F20	NO CAS USED.
	OFFENSE	B05	FS SPECIFIC.
	OFFENSE	F20	E. NO FS REHEARSAL CONDUCTED. NOT CONSIDERED DURING MANUEVER PLANNING.
	FORCED ENTRY	B30	NOT REQUIRED OF ADA PLT LDR.
	OFFENSE	B30	N/A FOR ADA.
	OFFENSE	Y03B	CAS NOT INTEGRATED INTO FIRE SUPPORT PLAN. NOT BRIEFED DURING OPORD.
M28	Confirm airspace control measures		(AMTP 71-3, Task 71-3-3012, 3013, 6002, 7001,
	FORCED ENTRY	B05	S3 AIR/AVN LNO/ALO WORKED A2C2.
			NO AIRSPACE CONTROL ORDER PUT OUT BY BDE.
	DEFENSE	F20	NO AIRSPACE COORDINATION MEASURES , FORMAL OR INFORMAL, PLANNED.
	DEFENSE	B20	A. ADO WAS REVIEWING ALO'S FORM PERTINENT INFO.
			F. ALO NEVER DID SEE ADO FOR ADA FIRE UNIT POSITIONS. ACTUAL ADA F.U. POSITIONS WERE ROUTINELY INACCURATE.
	OFFENSE	B05	AVN SPECIFIC.
	OFFENSE	B20	A. ADO WAS READING ACO'S.
			F. DISSEMINATION OF WEAPONS CONTROL STATUS WAS POOR DUE TO PHYSICAL LOCATION OF ADO SECTION WITHIN THE BDE TOC.
	FORCED ENTRY	B30	THIS IS NOT DONE AT BN LEVEL. IT IS USUALLY DONE AT BRIGADE LEVEL AND ABOVE. IF A SPECIAL SITUATION COMES ABOUT, I.E. A WEAPONS 'FREE' ZONE, THEN IT IS IMPORTANT.
	DEFENSE	B30	NOT DONE AT BN LEVEL.
	OFFENSE	B30	NO FACE-TO-FACE COORDINATION WITH ALO WAS DONE BY ADA PLT LDR.
M29	Confirm communications		(AMTP 71-3, Task 71-3-1102)
	FORCED ENTRY	B05	ALO TASK.
	FORCED ENTRY	B60	A DIAGRAM/MATRIX MUST BE DEVELOPED AND INTEGRATED INTO THE BDE TF NET ARCHITECTURE.
			ARMY PERSONNEL DO NOT UNDERSTAND COMMUNICATIONS STRUCTURE OF AF NETS AND ALO MUST MAKE IT CLEAR THAT THERE ARE PRIMARY AND BACK-UP/ALTERNATE AVAILABLE.
			ALO/BDE SIGO/AVN MUST HAVE A MEETING TO DISCUSS A2C2 COMMUNICATIONS ARCHITECTURE AND PLAN!
	DEFENSE	B03	A. SHOULD ALO/ATO BE ACO/ATO?
	DEFENSE	B60	A STANDARD AIR - GROUND COMMUNICATION MATRIX SHOULD BE DEVELOPED AND DOCTRINALLY IMPLEMENTED. A WORKSHEET WITH ALL REQUIRED CAS COMMUNICATION REQUIREMENTS FOR GROUND AND AIR FORCES WOULD ENSURE CDR'S KNOWLEDGE OF CAS C3 ARCHITECTURE.

TASK REMARKS COMPARISON, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Task Description	Mission	O/C	Remarks
	OFFENSE		B05	SIGO/ALO SPECIFIC.
	OFFENSE		B71	COORDINATION FOR COMMUNICATIONS BETWEEN ARMY AVN AND AF WAS WEAK.
	OFFENSE		B60	NOT ADEQUATE: AGAIN MOST ALO, TALO, FS, ADA, AVN, AND SIGNAL STAFF FUNCTIONAL AREAS NOT INVOLVED IN MAKING A2C2 ARCHITECTURE WORK. SEE PLANNING TASK 71-3-1101.
	FORCED ENTRY		B30	THIS IS NOT APPLICABLE BECAUSE IFF PROCEDURES ARE NOT TESTED OR USED AT JRTC DUE TO THE MILES SYSTEM. IF THE STINGER/AVENGER MILES INTEGRATES THE IFF SYSTEM, THEN TASK M29B WILL BE APPLICABLE.
	FORCED ENTRY		B63	B. HAS 1655 NOT 1553.
	DEFENSE		B63	A. NO ATO, DEFENSE MISSION, HOWEVER, USAF IS GOING TO STAND DOWN ANYWAY BEFORE MISSION. B. USING 1655S. C. 0600 AND 1800 COMMO CHECKS PERFORMED.
	OFFENSE		B30	N/A FOR ADA.
	OFFENSE		B63	A. ATO PASSED VERBALLY OVER RADIO. B. 1655 NOT 1553.
	OFFENSE		F40	AIR FORCE SAYS SOME REGULATION PREVENTS THEM FROM GIVING AUTHENTICATION TABLES TO FOS DURING PEACETIME.
M30	Deconflict airspace			(AMTP 71-3, Task 71-3-3012, 3013, 6002, 7001, 9002; FM 100-103)
	FORCED ENTRY		I30	e.5 S2 would be involved in UAV coordination, however there is no UAV in use during this rotation.
	FORCED ENTRY		B20	THE LACK OF MAP RECON GRID COORDINATES FOR TF 1-502 DEGRADED THE ADO'S ABILITY TO DECONFLICT AD FIRES. THE INABILITY TO FINALIZE ACCURATE MOVEMENT TIMES/CHALKS HINDERED THE ADO'S ABILITY TO UNFOLD THE AIR DEFENSE PLAN IN SUPPORT OF THE BDE PLAN.
	DEFENSE		I30	UAV NOT USED/AVAILABLE. S2 WOULD BE INVOLVED IN PLANNING IF A UAV WAS AVAILABLE.
	DEFENSE		B20	E.4) NO EXCHANGE OF INFO BETWEEN ALO AND ADO. POSITIONING IN TOC IS A SIGNIFICANT CONTRIBUTOR TO THIS.
	DEFENSE		B03	ARMY AVN ONLY.
	OFFENSE		B05	A2C2/AVN OC SPECIFIC.
	OFFENSE		I30	S2 WILL MONITOR UAV ACTIVITIES.
	OFFENSE		B20	B. HOWEVER AIR DEFENSE POSITIONS WERE INACCURATE, COMBINED WITH POOR EW, SET UP THE CONDITIONS FOR FRATRICIDE. E. ADA WAS INTEGRATED INTO PLAN, HOWEVER GS ADA ASSETS WERE NOT ADEQUATELY DECONFLICTED WHICH RESULTED IN AD FIRE UNITS BEING CLUMPED TOGETHER.
	OFFENSE		B71	D. DID NOT SUBMIT MRR FOR AF INGRESS/EGRESS, NOT INTEGRATED AT ALL.
	FORCED ENTRY		F30	UNIT DID NOT GET A CHANCE TO DO THIS AT BN LEVEL.
	FORCED ENTRY		B30	NOT DONE AT BN LEVEL AT THE JRTC.
	DEFENSE		B30	NOT DONE AT BN LEVEL.
	OFFENSE		B30	N/A FOR BN LEVEL ADA.

TASK REMARKS COMPARISON, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task# Task Description

Mission	O/C	Remarks
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OFFENSE	Y03B	NO AIRSPACE MANAGEMENT CONDUCTED AT BN TF LEVEL.
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TASK REMARKS COMPARISON, ROTATION SUMMARY

AFAC PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task# Task Description
Mission O/C

Remarks

A01	Analyze the tactical situation (MCM 3-3, Vol VIII)		
	DEFENSE	BLUE2	THIS WOULD NOT BE POSSIBLE WITHOUT A GLO. I CAN NOT OVERSTRESS HOW IMPORTANT IT IS TO HAVE AL GLO IN THE SQUADRON.
A02	Determine the friendly situation (MCM 3-3, Vol VIII)		
	DEFENSE	BLUE2	A.2) SCOUT POSITIONS UNKNOWN. A.3) NEED MAX ORD AND LINE OF FIRE IF ARMY IS RELUCTANT TO PASS COORDINATES OF ARTY. A.7) ACA LISTING IS VERY GOOD.
A05	Determine the EW threat (MCM 3-3, Vol VIII)		
	DEFENSE	BLUE2	WE DO HAVE EXTRA FREQUENCY TO USE IN CAS OF JAMMING, BUT -- WE ARE NOT ALLOWED TO USE 'HAVEQUICK' UHF RADIOS.
A07	Determine what air is planned (MCM 3-3, Vol VIII)		
	DEFENSE	BLUE2	F. THIS MAY BE ABOVE THE AFAC'S PAY GRAD. HIS IS GIVEN A TASKING JUST LIKE EVERYONE ELSE.
A08	Determine what air is available (MCM 3-3, Vol VIII)		
	DEFENSE	BLUE2	C. USUALLY NOT SURE OF THIS UNTIL WE TALK WITH THE GFAC. THERE DOES NOT APPEAR TO BE A COORDINATED EFFORT. I. AFAC HAS TO CONVINCE THE GFAC TO WORK SEAD.
A11	Determine air tactics to be used (MCM 3-3, Vol VIII)		
	DEFENSE	BLUE2	A.1), 2) BECAUSE OF SA-8, THREAT CHANGES QUICKLY.
A12	Coordinate with airspace management agencies (MCM 3-3, Vol VIII; TACM 3-1 V8)		
	DEFENSE	BLUE2	D. SA-7/14 ARE EVERYWHERE. NEVER SURE IF SA-8 IS THERE UNTIL IT LOCKS ON TO YOU. F. TACPS GENERALLY DO NOT KEEP WOLFMAN INFORMED TO THE EXTENT THE SHOULD. PART OF THE IS WOLFMAN'S FAULT. WE DO NOT INSIST ON THE REPORTS.
A14	Confirm communications (MCM 3-3, Vol VIII)		
	FORCED ENTRY	H01	ANIDOTE 21B WAS NOT ABLE TO AUTHENTICATE.
	FORCED ENTRY	H01	BOAR 21/22 CHECKED IN AT 170117L. SENT TO ANTIDOTE 21. BOAR HAD TROUBLE MAKING CONTACT WITH ANTIDOTE SINCE BOAR WAS WORKING ON THE D-1 TADS. WOLFMAN SENT BOAR THE CORRECT FREQ IN THE CLEAR. ANTIDOTE 21 HAD NOTHING FOR THEM, WENT TO ANTIDOTE 20/22. DI
	DEFENSE	H01	BOAR 11/12/13 CHECKED IN AT 212000L. WORKED WITH ANIDOTE 21A AND SPECTAR (AIRBORN HELO). BOAR 11 FLIGHT CHECKED OUT AT 212114L. WAS UNABLE TO HEAR THE BOAR FLIGHT AT THIS STATION. NO DATA WAS COLLECTED DUE TO COMMO PROBLEM.
	DEFENSE	H01	SWINE 26 CHECKED IN AT 220635L. SWINE 26 WORKED WITH HARDROCK 60 AND ANTIDOTE 21.
	DEFENSE	H01	BOAR 11/12 CHECKED IN AT 222053L. SENT TO ANTIDOTE 20.
	OFFENSE	H01	PUMA 11 AFAC CHECKED IN AT 251025L. SENT TO ANTIDOTE 22. WORKING SWINE 21/22.

TASK REMARKS COMPARISON, ROTATION SUMMARY

AFAC PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Task Description	Mission	O/C	Remarks
	OFFENSE		H01	PUMA 21 GOT UPDATE FROM PUMA 11. DIRECTED DROP FROM SWINE 11/12 ON DO #7. WENT TO RL AND BACK TO ANTIDOTE TO DO VR. DIDN'T FIND ANYTHING ELSE.
	OFFENSE		H01	PUMA 14 CHECKED IN. SENT TO ANTIDOTE 21 AND ANTIDOTE 20. WORKED SWINE 23/24 FLIGHT.
	OFFENSE		H01	PUMA 11 AFAC CHECKED IN, SENT TO ANTIDOTE 21. WX A FACTOR 1000 OVER 6 MILES. A-20B CALLED OVER HF WITH A FIRE MISSION. FRIENDLY NOT A FACTOR. PUMA 11 WILL WORK SWINE 21/22. PUMA 11 AND SWINE 21 UNABLE TO GET UNDER WX RTB AT 0844L.
	OFFENSE		H01	PUMA 11 CHECKED IN AT 0615L. SENT TO ANTIDOTE 21B, WHO IS FORWARD ON A PORTABLE.
	OFFENSE		H01	PUMA 12 CHECKED IN AT 0640L. WORKING WITH P 11. P 12 TOOK OVER WHEN P11 WAS KILLED AT APPROX 0646L. P 12 SHOT AND TAKEN OUT BY SA-8.
A15	Coordinate with TACP			(TAC Pam 50-22; TAC Pam 50-20)
	FORCED ENTRY		H01	BOAR 11/12 CHECKED IN WITH 2100L WITH ANNIDOTE 20A. BOAR 11/12 CHECKED OUT 2200L. FLIGHT DID VR WITH ANIDOTE BUT DID NOT FIND ANY TARGETS.
	OFFENSE		H01	TACP DIO NOT KNOW ANYTHING ABOUT SA-8.
	OFFENSE		H01	PUMA 12 RECEIVED UPDATE FROM PUMA 11.
	OFFENSE		H01	PUMA HAD AR OVERLAY, KNEW PHASE LINE. PUMA DID GOOD JOB OF UPDATING THREAT. NO FIRE AREA 095398/098374. TARGETS AROUND OBJ BEAR.
	OFFENSE		H01	ANTIDOTE 21 GAVE PUMA 11 6 GRIDS. FRIENDLY NO FACTOR.
	OFFENSE		H01	UNABLE TO HEAR ANTIDOTE 21A AT MY LOCATION. PUMA REPORTED THAT 21A VERY SLOW WITH INFO. NO REPORTED THREATS BY 21A. P 11 SHOT BY SA-8. P 11 REPORTS 21A VERY SLOW TO GIVE GUN TGT LINE AND MARK ORD.
A16	Analyze Threat Situation			(MCM 3-3, Vol VIII)
	FORCED ENTRY		H01	NO TARGETS FOUND.
	OFFENSE		H01	AFAC TOLD TACP THE SA-8 WAS PRIMARY TARGET. AFTER AFAC WAS TAKEN OUT, WOULD NOT COME BACK WITHOUT TTR SUPPORT. IDENTIFIED THE SA-8 AND DROPPED 6 MK-82S. KILLED SA-8.
	OFFENSE		H01	WX CLEAR AND A MILLION FLIGHT BEFORE TOOK OUT GRETTA (SA-8). SA-8 GRID 119363.
	OFFENSE		H01	SEEMED TO TAKE A LONG TIME BEFORE SA-8 WAS TAKEN OUT.
A17	Determine ground scheme of maneuver			(TAC Pam 50-22)
	FORCED ENTRY		H01	101 AB IS NOT IN THE AO AT THIS TIME SO A17F WAS NO A FACTOR.
	OFFENSE		H01	AFAC AND TACP TALKED OVER WHAT AFAC SAW.
	OFFENSE		H01	TACP GAVE PUMA TGT OF ENG VEHICLES GRID 70536.
	OFFENSE		H01	HAD ARMY OVERALY, KNEW PHASE LINES ETC. AFAC (PUMA) PASSED OBSTACLES TO TACP.
	OFFENSE		H01	TAQCP REPORTED BY AFAC AS VERY SLOW.
A18	Analyze targets			(MCM 3-3, Vol VIII)
	DEFENSE		H01	SWINE 26 WORKED WITH HARDROCK AND ANTIDOTE.

TASK REMARKS COMPARISON, ROTATION SUMMARY

AFAC PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task# Task Description

Mission

O/C

Remarks

			ALL TARGETS WERE VISUAL RECCE.
			NO TGT WERE DROPPED ON.
	OFFENSE	H01	TGT ENGINEERING VEHICLES. DROPPED BOMBS 200 M ESE OF DO #7.
	OFFENSE	H01	TARGET OBJ BEAR. 150 ROUNDS OF 30 MM ON 092376.
	OFFENSE	H01	9 L ON SA-8 GIVEN BY A20, ALSO USED SEAD.
A19	Establish CAS target priorities (FM 6-20)		
	OFFENSE	H01	NO CAS, ONLY AI.
A20	Confirm JSEAD plan (MCM 3-3, Vol VIII)		
	OFFENSE	H01	PUMA 11 ENGAGED BY GRETTA AT 1055L. REMOVED BY T01 AT 1057 FOR MINUTES. GRETTA SAID NO FLARES OR EVASIVE ACTION. GRETTA IDENTIFIED AND TAKEN OUT BY A-10S.
	OFFENSE	H01	PUMA 11 PASSED TO P-12 UPDATE ABOUT SA-8. P-12 ASKED ABOUT FS TO ANTIDOTE.
	OFFENSE	H01	TACP CALLED FOR JSEAD WITH AFAC/FTRS.
	OFFENSE	H01	P 11 REQUESTS SEAD ON SA-8 TO TACP.
	OFFENSE	H01	REQUESTED JSEAD. BUT AVN TOOK OUT SA-8.
A21	Recieve Army Aviation update (TAC Pam 50-22)		
	FORCED ENTRY	H01	BOAR 11/12 TALKED TO ANIDOTE WHO WAS IN A HELO SO A MODIFIED AVN UPDATE WAS PASSED HOWEVER THE SECOND AVN UNIT WAS NOT ABLE TO AUTHENTICATE.
	OFFENSE	H01	NO AVN INFO PASSED.
	OFFENSE	H01	NO AVN.
	OFFENSE	H01	NO AVN INFO PASSED EVEN THOUGH THERE WAS A LOT OF AVN FLYING. 0721 BEARCAT GAVE SA-8 GRID 118360.
	OFFENSE	H01	P 12 REQUESTED AVN FREQ FOR JAAT ON SA-8 TO A-20. WENT TO AVN FREQ, BUT NO CONTACT. SWINE 21 NOT CHECKED OUT FOR JAAT.
A22	Confirm aircraft allocation (MCM 3-3, Vol VIII;TACM 55-46)		
	FORCED ENTRY	H01	NOT SURE WHY THIS TASK IS IN THE AFAC/CAS CHECKLIST.
A23	Deconflict airspace (TAC Pam 50-28;FM 100-103)		
	FORCED ENTRY	H01	NO AIRSPACE TO DECONFLICT.
	DEFENSE	H01	WHILE BOAR 11/12 ON STATION COUGAR 32/33/34 ARRIVED. DID NOT WORK TOGETHER.
	OFFENSE	H01	PUMA 11 PASSED ON ALL INFO TO PUMA.
	OFFENSE	H01	PUMA 11 DECONFLICTED AIR SPACE WITH PUMA 21.
	OFFENSE	H01	PUMA PASSED 3 NO FIRE AREAS TO SWINE.
A26	Match weapon with target (MCM 3-3, Vol VIII)		
	OFFENSE	H01	ENGINEER VEHICLES AND MK-82S.
	OFFENSE	H01	MK-82, 50 MM.
	OFFENSE	H01	NO WPN EXPENDED WHILE P 11ON STATION.
	OFFENSE	H01	S 21 4 MK 82 ON 115367 AT 0813L TENTS,. S 22 4 MK 82 ON 115367.
A27	Confirm target marking procedures (TAC Pam 50-28)		
	FORCED ENTRY	H01	NO TARGETS FOUND.
	OFFENSE	H01	NO CAS, ONLY AI IN TGT AREA.
	OFFENSE	H01	NO TGT DROPPED ON.

TASK REMARKS COMPARISON, ROTATION SUMMARY

TACP PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Task Description	Mission	O/C	Remarks
G05	Analyze the enemy situation (MCM 3-3, Vol VIII)			
	FORCED ENTRY	T07		A., S2 BLIND AS TO ENEMY DISPOSITION. NOT ABLE TO PROVIDE ALO WITH DISPOSITION OF ENEMY.
G06	Identify air control measures (MCM 3-3, Vol VIII; ATP40; FM 100-103)			
	FORCED ENTRY	T07		NOMINATED LLTRS TO DIVISION.
G08	Determine communication requirements (MCM 3-3, Vol VIII; TAC Pam 50-20)			
	FORCED ENTRY	T06		CHATTERMARK TO PREPLANNED FREQ WITH TACPS RECEIVED INADVERTENT JAMMING.
G09	Establish communications (MCM 3-3, Vol VIII; TAC Pam 50-20)			
	FORCED ENTRY	T06		C. NO COMMO WITH ASOC.
	FORCED ENTRY	T06		NO COMMO WITH ASOC.
				AUTHENTICATION TABLES NOT PROVIDED TO ARMY AVN.
G10	Coordinate Air Defense Artillery control procedures (TAC Pam 50-20)			
	FORCED ENTRY	T06		C. D. E. BDE STAFF NOT INITIALLY INFORMED CAS WAS ON STATION.
G14	Analyze fire support plan (MCM 3-3, Vol VIII; FM 6-20)			
	FORCED ENTRY	T06		MAX ORDS NOT COMPUTED.
G22	Initiate Close Air Support (CAS) request (FM 90-21)			
	FORCED ENTRY	T06		D. PREPLANS NOT SENT - ALO DID NOT INSURE FSO TRANSMITTED.
G29	Confirm aircraft allocation (MCM 3-3, Vol VIII; TACM 55-46)			
	FORCED ENTRY	T06		BDE ALO ATTENDED AIR PLANNING CONFERENCE.
G31	Confirm plan with Fire Support Element (FM 6-20)			
	FORCED ENTRY	T06		B. MAX ORDINATE OF ARTILLERY FIRES WERE NOT DETERMINED.
	FORCED ENTRY	T06		G31. S2 DID NOT DEVELOP.
	DEFENSE	T07		C. ARMY HAD LIMITED TARGETS - EXPECTED VIS RECCE TO IDENTIFY TARGETS.
G33	Confirm communications (MCM 3-3, Vol VIII; TAC Pam 50-20)			
	FORCED ENTRY	T06		C. HAVE QUICK OPS PROHIBITED DUE TO COMM INTERFERENCE.
	FORCED ENTRY	T06		B. ARMY DID NOT HAVE AUTH CARDS.
	DEFENSE	T07		B. THIS OUGHT TO BE 1655B.
				C.3) THERE WAS LITTLE INTEGRATION OF FREQUENCIES BETWEEN AIR AND HELOS.
G34	Deconflict airspace (TAC Pam 50-28; FM 100-103)			
	FORCED ENTRY	T06		MAX ORD NOT PLANNED.

APPENDIX C: **TRAINING FEEDBACK QUESTIONNAIRE AND RESPONSES**

Responses:

1. What BOS/O/C Division do you represent?

a. C2 Operations	3
b. Fire Support	3
c. Intelligence	3
d. Air Defense	2
e. Signal	3
f. Aviation	0
Not Applicable (BDM contractor observing AFAC on station)	1

2. Was the close air support (CAS) task list was useful to you in identifying areas where your BOS/staff section needed to interact with the unit's air liaison officer (ALO) during planning, preparation, or execution?

a. Not useful	1
b. Useful	13
c. Very useful	1

3. Are there any tasks within your area of responsibility, and at your echelon, that you feel need to be added to the list?

No	10
Yes	5

Yes - All liaison and unit signal officer collective task to develop a air-ground C3 architecture matrix. (Who talks to who, by what primary and back up means, and what info is passed.) This task requires all A2C2 staff functional areas to coordinate communications requirements.

Yes - The ALO needs to be included in the targeting process, questions should pertain to priority targets and method of destruction.

No - Many do not apply to Air Defense and the ones that do are covered by the Air Defense Green Books.

Yes - USAF personnel can receive assistance from the Division (Army) frequency manager. They should coordinate through Bn and Bde Signal Officer for this support. Examples are additional frequency allotments and HF ground & skywave propagation data.

Yes - More targeting triad (S2, S3, FSO) oriented performance questions.

Yes - C-130 coordination.

4. Are there any tasks within your area of responsibility, and at your echelon, that you feel need to be deleted from the list?

No	11
Yes	4

Yes - S2 and FSO specific tasks do not need to be included in the Operations book.

Yes, many. I won't list the tasks, see my blue book. (Bn TF ADA O/C)

Yes - Bn ALO does not coordinate with Army AVN at Infantry Bn level.

Yes - task A7 would be done at WOC not on station.

5. Were the tasks in the task list identified in sufficient detail?

a. Not enough	
b. About right	15
c. Too much	

Task 71-3-1101 Determine Communication Requirements must include : Develop communication architecture in conjunction with ground force signal officer and A2C2 staff planners based on communications requirements. (Bde Signal O/C comment)

6. Were there any required tasks within your area that you were not able to observe for the entire rotation?

Yes	7
No	8

Yes - Not all tasks were observed on a continuous basis due to the fact I do not stay on top of the ALO who coordinates much of this info. Staying with the S3 or XO, I miss some of the behind the scenes actions which take place.

Yes - My primary focus is to observe the Bde FSE, FSCoord, ANGLICO PL, & ALO in that order of priority. Obviously with that focus I spend a very limited amount of time observing the Bde ALO/TACP.

Yes - Those that were executed by the ALO alone.

Yes - Exchange of information during battle.

Yes - Tasks need to be separated by BOS. There are too many in the books that don't apply to your specific BOS and we wind up putting not observed or commenting on tasks that really weren't designed for our BOS.

No - It is important to note that my Lieutenant was very inexperienced, and I concentrated on Air Defense planning.

No - Except those done above Infantry Bn level.

Yes - Fire support readiness to shut down and allow CAS to attack targets.

Yes - My counterpart did not do a lot of CAS interaction. A2C2 was not done in the battalion. (TF ADA O/C)

7. If provided on a regular basis, would the CAS task list be helpful to you in identifying specific tasks for feedback to units on employment of CAS?

Yes	10
No	5

Yes - Limited value because of problems with covering the ALO.

Yes - In a much scaled down version. Current version is too time consuming & you probably got some half ass checkmarks. Scale it down with a dozen or so critical tasks by BOS and the feedback would probably be better. As it was, I sped through the book at change of mission.

No - The focus on enemy situational templating, current situation and targeting are sufficiently reviewed in the green books. The green books could use a few more questions about the targeting and interaction of CAS planning.

8. If the CAS task list for maneuver were consolidated into one task list, which BOS/staff section should have responsibility for it?

Fire Support	10
C2 Operations	3
Both C2 and FS	1 (See second comment below)
Don't combine	1 (See third comment below)

Probably Fire Support, however, unless the Army is willing to devote more than 1 Major and 1 SFC to observing the Brigade Fire Support Cell they are of limited use.

Depending on the focus of the list. C2 for coordination, mission analysis, etc. FS for the employment & proper control measures.

Should not be one task list but spread throughout: C2 Ops, Fire Support, Intel, Air Defense, Signal, AVN.

9. If the CAS task lists were consolidated into one task list, would you use it to assist in your observations and feedback to the units?

Yes	12
No	3

Yes - AF O/C fills out. Much is already included in the greenbooks which are based on the Army MTP's - the standards set by DA. ALO O/C should fill these which deal with the ALO and how he coordinates CAS for the TF.

No - S2 functions support the entire staff. If he fails to do something such as event templating, it effects the fire support plan, attack aviation, and the overall scheme of maneuver as well as CAS. If he fails to adequately support the targeting effort then CAS won't be as effective. I don't feel a checklist or CAS task list is necessary to determine the S2's overall support to the staff.

Yes - Limited value because of problems with covering the ALO.

No - I already check how the ADO talks with the ALO.

Yes - Minimally.

APPENDIX D:
CLOSE AIR SUPPORT TASK LIST DATA COLLECTION BOOKS

D-1	MANEUVER [OPERATIONS] PLANNING
D-2	MANEUVER [OPERATIONS] PREPARATION
D-3	MANEUVER [FIRE SUPPORT] PLANNING
D-4	MANEUVER [FIRE SUPPORT] PREPARATION
D-5	MANEUVER [INTELLIGENCE] PLANNING
D-6	MANEUVER [INTELLIGENCE] PREPARATION
D-7	MANEUVER [AIR DEFENSE] PLANNING
D-8	MANEUVER [AIR DEFENSE] PREPARATION
D-9	MANEUVER [SIGNAL] PLANNING
D-10	MANEUVER [SIGNAL] PREPARATION
D-11	MANEUVER [AVIATION] PLANNING
D-12	MANEUVER [AVIATION] PREPARATION
D-13	TACTICAL AIR CONTROL PARTY PLANNING
D-14	TACTICAL AIR CONTROL PARTY PREPARATION
D-15	AIR FORWARD AIR CONTROLLER PLANNING
D-16	AIR FORWARD AIR CONTROLLER PREPARATION
D-17	EXECUTION

**APPENDIX E:
TASK ASSESSMENT DISTRIBUTION SUMMARIES**

Appendix E contains a series of Task Assessment Distribution Reports from the CAS database that has been developed. The reports are all for all planning and preparation tasks, all echelons, and all missions. There is a separate report for each major section (Maneuver, TACP, AFAC, and Execution). In addition, there is a separate report for the functional areas within the Maneuver section. The reports included in this appendix are as follows:

- E-1 TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY,
 MANEUVER [ALL]
- E-2 TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY,
 MANEUVER [OPERATIONS]
- E-3 TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY,
 MANEUVER [FIRE SUPPORT]
- E-4 TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY,
 MANEUVER [INTELLIGENCE]
- E-5 TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY,
 MANEUVER [AIR DEFENSE]
- E-6 TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY,
 MANEUVER [SIGNAL]
- E-7 TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY,
 MANEUVER [AVIATION]
- E-8 TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY,
 TACP
- E-9 TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY,
 AFAC
- E-10 TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY,
 CAS EXECUTION

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M01	Conduct mission analysis (AMTP 71-3, Task 71-3-3001; FM 101-5)							
	0	3	6	14	0	3	11	11
M01A	Determine specified tasks							
	0	3	5	19	0	2	2	17
M01B	Determine implied tasks							
	0	4	7	16	0	2	2	17
M01C	Determine area of operations (sector/zone)							
	0	6	3	17	1	2	2	17
M01D	Determine available time							
	0	4	4	17	1	3	2	17
M01E	Identify specific Rules of Engagement (ROE) that apply to CAS/air							
	3	4	5	8	0	7	4	17
M02	Determine the commander's intent (AMTP 71-3, Task 71-3-9001; FM 101-5)							
	0	7	1	16	0	1	12	11
M02A	Understand the purpose of the mission							
	1	5	2	17	0	0	2	21
M02B	Understand commander's intent for CAS							
	4	4	4	8	0	2	4	22
M03	S2 prepares Intelligence Estimate (AMTP 71-3, Task 71-3-2001; FM 34-1)							
	2	5	3	7	0	1	18	12
M03A	Perform IPB and identify all available information and intelligence on							
	1	4	4	5	0	0	5	29
M03B	Determine availability of air intelligence assets in addition to normal							
	3	2	3	2	0	2	7	29
M03C	Request continuous flow of combat information from aircraft to S2							
	3	4	0	1	0	2	9	29
M03D	Ensure continuous flow of new intelligence to the Air Liaison Officer							
	6	6	1	1	0	0	6	28
M03E	Request G2 input on deep enemy ADA threat							
	4	2	2	2	0	0	11	27
M03F	Coordinate with TACP if not receiving pilot tactical information							
	4	4	0	1	0	1	8	30
M04	S2 analyze the terrain (AMTP 71-3, Task 71-3-2001, 2003; FM 34-1)							
	2	0	7	7	0	1	17	14
M04A	Determine ground avenues of approach, choke points, and obstacles							
	1	1	5	8	1	0	6	26
M04B	Identify air avenues of approach							
	1	3	9	6	1	0	5	23
M04C	Determine the impact of weather on air operations							
	2	0	6	8	1	1	6	24
M05	S2 analyze the enemy situation (AMTP 71-3, Task 71-3-2001, 2003, 2005; FM							
	2	2	3	9	0	1	16	15
M05A	Determine size, disposition, location, and organization of enemy forces							
	1	1	4	8	0	0	5	29
M05B	Identify current and anticipated enemy ADA capabilities, locations, and							
	2	3	2	10	0	0	5	26

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M05C	Identify potential courses of action							
	1	1	5	7	0	0	5	29
M05D	Determine impact of weather on enemy ADA							
	6	2	5	4	0	0	5	26
M05E	Pass targeting data to S3/FSO							
	2	6	10	0	0	0	5	25
M06	S3/FSO develop/provide friendly situation (AMTP 71-3, Task 71-3-3002,							
	3	2	9	4	0	1	17	12
M06A	Identify and provide location of forward elements, Forward Line of Troops							
	2	4	6	7	0	0	3	26
M06B	Identify location of indirect fire assets, to include artillery, mortars,							
	0	3	3	12	0	0	4	26
M06C	Identify helicopter areas of operation (AO), to include routes, lift, and							
	3	10	2	4	0	0	3	26
M06D	Identify UAV (Unmanned Air Vehicle) AOs							
	1	1	0	1	0	1	18	26
M06E	Determine and provide location of the FSCL (Fire Support Coordination Line)							
	0	3	3	10	0	0	6	26
M06F	Identify Host country fire restrictive measures							
	2	3	3	4	0	2	8	26
M06G	Provide friendly maneuver plan, tactical situation, choke points, trigger							
	1	10	4	2	0	1	3	27
M07	A2C2 element identify or develop air control measures (AMTP 71-3, Task							
	5	7	2	2	2	3	11	16
M07A	Identify area for which the brigade is responsible (vertical, left, and							
	1	3	2	4	1	2	5	30
M07B	Identify users of the airspace and their requirements (army aviation, air							
	4	6	2	7	0	1	3	25
M07C	Identify areas impacting on air operations							
	2	4	1	2	1	1	2	35
M07C1	Aviation unit and FARP locations							
	4	3	1	2	1	2	5	30
M07C2	Artillery locations and planned fires							
	2	4	1	3	1	1	6	30
M07C3	RPV launch and recovery sites and flight paths							
	2	2	0	0	0	5	11	28
M07C4	ADA locations, engagement zones, and coverage							
	3	6	7	1	0	5	2	24
M07C5	Positions of instrument landing systems, navigation aids (NAVAID), flight							
	1	2	0	1	0	3	11	30
M07D	Identify user priorities, restrictions, and control measures							
	1	4	1	1	1	2	4	34
M07D1	Confirm coordinating altitude (from above ground level (AGL))							
	2	3	0	3	3	2	5	30
M07D2	Confirm air ROE							
	4	4	0	3	1	3	5	28

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M07D3	Identify and locate civilian airline routes							
	3	3	0	0	0	4	8	30
M07D4	Determine restrictions and constraints such as 'no fly zones'							
	4	4	0	4	0	2	5	29
M07E	Identify or designate the following areas:							
	1	2	0	0	1	3	5	36
M07E1	High density airspace control zone (HIDACZ)							
	1	2	0	0	0	7	9	29
M07E2	Restricted Operations Zones (ROZ)							
	1	3	1	2	1	2	9	29
M07E3	Air ingress/egress routes							
	2	6	0	4	1	3	4	28
M07E4	Airspace Coordination Areas (ACA)							
	3	3	0	1	0	4	7	30
M07E5	Contact Points/Initial Points (CP/IP)							
	2	3	1	4	0	2	7	29
M07E6	Helicopter air corridors							
	4	3	1	2	3	2	5	28
M07E7	Minimum Risk Routes (MRR)							
	6	5	0	1	1	4	5	26
M07E8	Engagement Areas (EAs)							
	5	1	3	2	1	3	5	28
M07F	Identify/designate ROZs for air resupply areas/times for both air drop and							
	1	2	3	3	1	2	6	30
M08	Determine communication requirements (AMTP 71-3, Task 71-3-1101)							
	3	2	5	8	1	1	16	12
M08A	Identify locations which provide continuous communications with ground and							
	2	1	4	11	1	2	2	25
M08B	Determine communications requirements with ground forces, air forces, and							
	2	3	4	7	1	2	4	25
M08C	Identify ground retransmission requirements							
	1	3	4	6	1	2	6	25
M08D	Coordinate with TACP to use AFAC as communications relay, if necessary							
	3	1	3	6	0	7	3	25
M09	Establish communications (AMTP 71-3, Task 71-3-1102)							
	4	0	4	6	0	3	17	14
M09A	Request air force frequencies (in ATO) and provide to army aviation and							
	1	1	4	7	0	4	6	25
M09B	Coordinate for, and ensure distribution of, authentication tables (AKAC							
	2	0	4	8	1	4	4	25
M10	Develop Air Defense Artillery control procedures (AMTP 71-3, Task							
	0	5	7	6	0	3	12	15
M10A	Coordinate ADA operations through the S3							
	0	3	4	9	0	2	2	28
M10B	Identify location and status of ADA units in brigade area							
	1	6	5	4	0	3	2	27

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M10C	Identify Air Defense Artillery (ADA) activation procedures (FM early)							
	2	4	4	6	0	3	2	27
M10D	Maintain current ADA status and identify ADA changes of status/control							
	1	5	5	4	0	4	2	27
M10E	Identify air ingress/egress routes							
	3	4	2	8	0	3	1	27
M10F	Identify Restrictive Operation Areas (ROAs) and weapons free zones							
	4	1	2	2	0	6	6	27
M11	Coordinate Army Aviation employment (AMTP 71-3, Task 71-3-3011, 3012, 7001;							
	1	3	3	3	0	4	15	19
M11A	Identify responsibilities, aviation tasks and plans							
	0	2	3	4	0	3	7	29
M11B	Identify constraints/limitations in altitude and routes							
	1	2	1	4	0	4	7	29
M11C	Determine capabilities, type aircraft, callsigns, communications, and							
	0	2	4	3	0	2	7	30
M11D	Identify ROE							
	0	3	3	1	1	2	7	31
M11E	Identify engagement areas							
	2	0	2	2	1	4	6	31
M11F	Identify critical locations, such as:							
	0	0	2	4	0	2	5	35
M11F1	Landing zones							
	0	2	3	6	0	2	5	30
M11F2	Forward Arming and Refueling Points (FARP)							
	1	1	1	4	0	3	7	31
M11F3	Battle Positions (BPs)							
	0	1	2	4	0	3	8	30
M11F4	Aerial observation positions (AOPs)							
	0	2	3	1	0	5	7	30
M11G	Identify Joint Air Attack Team (JAAT) specific considerations							
	3	1	1	0	0	5	8	30
M11H	Aviation assets are incorporated into priority of fires and JSEAD							
	2	1	3	4	1	3	6	28
M12	S2 determine enemy ADA threat (AMTP 71-3, Task 71-3-2003, 2005)							
	1	2	9	8	1	1	15	11
M12A	Identify type and capabilities of enemy ADA systems (type munitions and							
	0	2	9	9	0	0	5	23
M12B	Determine locations of enemy ADA systems							
	1	3	10	6	0	0	5	23
M12C	Determine past and expected activities (movement/remain stationary) of							
	0	4	10	4	0	0	5	25
M12D	Pass targeting data to S3/FSO for JSEAD planning							
	1	6	6	5	0	0	5	25
M13	Develop fire support plan (AMTP 71-3, Task 71-3-3009, 3012, 9001, 9002; FM							
	1	4	4	4	0	1	20	14

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M13A	FSO advises on fire support capabilities, limitations, and coordinating							
	0	2	2	10	2	0	3	29
M13B	ALO is part of the fire support team and advises on air capabilities and							
	2	6	5	2	1	0	3	29
M13C	FSO and ALO coordinate on aircraft availability, munitions, capabilities,							
	2	7	4	3	0	0	3	29
M13D	FSO includes CAS in the fire support execution matrix							
	4	5	4	2	1	0	3	29
M13E	Primary concept for control measures in LIC is to separate artillery and							
	1	3	2	2	0	1	9	30
M13F	Fire support control measures are established							
	0	7	4	2	0	1	3	31
M13F1	Battle positions for army aviation							
	2	6	4	1	1	2	4	28
M13F2	No fire lines (NFL) and azimuth restrictions for artillery/mortars							
	6	5	1	2	0	1	5	28
M13F3	Engagement areas (EAs) identified by terrain features for CAS							
	6	5	2	1	0	1	4	29
M13F4	Other measures, such as FSCL, restrictive fire line (RFL), coordinated fire							
	1	7	2	4	1	0	4	29
M13G	Artillery is positioned to not interfere with airlines of							
	3	2	0	5	1	4	4	29
M13H	Fire support system is prepared to shut down operations for critical CAS							
	4	2	0	4	0	5	3	30
M13I	The following information is identified and maintained:							
	0	4	2	5	1	0	4	32
M13I1	Location of indirect fire assets							
	0	3	2	9	0	0	5	29
M13I1A	Artillery guns							
	0	3	2	10	1	0	5	27
M13I1B	Mutiple Launched Rocket Systems							
	0	1	1	0	0	0	19	27
M13I1C	Mortars							
	0	3	3	9	1	0	5	27
M13I2	Capabilities of indirect fire assets							
	0	3	3	9	1	0	5	27
M13I3	Missions, planned targets, and gun-target lines							
	0	6	3	6	1	0	5	27
M13I4	Sequence of engagement							
	1	5	3	5	0	1	6	27
M13I5	Maximum ballistic altitudes							
	6	4	2	1	0	3	5	27
M13I6	Movement sequence (timing and new locations)							
	0	4	5	2	0	3	7	27
M13I7	ACAs							
	3	4	3	2	0	3	6	27

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M13I8	JAAT considerations							
	5	5	1	1	0	4	5	27
M14	Plan JSEAD (Joint Suppression of Enemy Air Defenses) (AMTP 71-3, Task							
	3	3	7	7	0	5	10	13
M14A	S2 identifies enemy ADA system/targets							
	1	2	6	9	2	2	4	22
M14B	Determine ADA target locations							
	2	3	6	7	2	3	3	22
M14C	Determine type of suppression							
	1	2	9	4	0	3	5	24
M14D	Determine type of JSEAD available							
	1	2	9	3	0	4	5	24
M14E	Integrate JSEAD with adjacent units							
	3	3	7	2	0	5	4	24
M15	Analyze targets (AMTP 71-3, Task 71-3-2003, 2006, 3004, 9003, 9004; FM							
	1	4	8	8	0	1	13	13
M15A	S2 identifies enemy locations							
	0	2	8	9	0	0	5	24
M15B	Determine target type, ALO recommends targets for CAS attack							
	3	7	5	3	0	1	4	25
M15C	Determine the best method to defeat enemy targets							
	2	6	6	5	0	0	4	25
M15C1	Determine constraints imposed by munitions available and ROE							
	2	6	4	5	0	1	5	25
M15C2	Match munitions to type targets							
	3	6	3	5	0	2	4	25
M15D	Identify appropriate JSEAD requirements							
	3	6	4	1	0	2	6	26
M15E	Identify necessary suppression measures and appropriate suppression systems							
	4	5	5	1	0	2	5	26
M15F	Identify the impact of weather on air operations and enemy ADA							
	5	3	1	11	0	1	4	23
M15G	Establish engagement criteria							
	4	5	5	2	0	1	6	25
M15H	Determine methods to identify friendly locations							
	2	8	4	1	1	1	6	25
M15I	On receipt of ATO information, ALO/FSO coordinate immediate 12 hour period							
	0	5	3	2	0	4	8	26
M15I1	Number and type of aircraft/munitions							
	1	5	3	2	0	3	8	26
M15I2	Targets appropriate to aircraft and munitions							
	1	5	3	2	0	3	8	26
M16	Determine ground priority targets (AMTP 71-3, Task 71-3-3005)							
	0	7	5	4	1	1	18	12
M16A	S3/FSO establish target priorities							
	0	5	7	5	1	0	4	26

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M16B	ALO recommends priorities for air attack							
	6	4	3	3	0	2	4	26
M16B1	Identify target type							
	5	5	2	4	0	2	4	26
M16B2	Integrate target with threat to friendly forces, determining risk to air							
	6	5	2	2	2	2	3	26
M17	Develop ground scheme of maneuver (AMTP 71-3, Task 71-3-3001, 3002, 3004,							
	1	4	6	2	0	1	22	12
M17A	Identify forward line of troops (FLOT) and/or battle positions (BPs)							
	1	3	3	4	1	0	6	30
M17B	Identify location of elements forward of the FLOT or operating							
	1	6	4	4	0	0	3	30
M17C	Designate methods of marking friendly troop locations (Glint tape, VS-17							
	0	7	4	2	0	1	4	30
M17D	Designate engagement areas (EAs) (designated areas with no friendly troops)							
	1	4	2	2	1	1	7	30
M17E	Establish maneuver restrictions, such as boundaries, axis of advance, and							
	0	5	4	3	1	0	4	31
M17F	Designate other control measures on troop movement or location, as required							
	1	5	4	4	0	0	3	31
M18	Continuously Analyze Intelligence Developments (AMTP 71-3, Task 71-3-2003,							
	1	2	4	5	0	3	19	14
M18A	Integrate strategic and higher echelon information and intelligence from							
	4	0	3	2	0	2	6	31
M18A1	JSTAR							
	4	0	0	0	0	2	16	26
M18A2	U2/TR1							
	4	0	0	0	0	2	16	26
M18A3	Div/Corps G2							
	3	0	4	3	0	2	8	28
M19B	Integrate information and intelligence from own unit's assets, such as:							
	1	2	3	1	0	2	4	35
M18B1	Reconnaissance elements/scout platoon							
	1	4	5	4	0	2	4	28
M18B2	Ground assets/maneuver units							
	1	4	5	3	0	2	5	28
M18B3	Immediate tactical information observed by aircraft in the area							
	2	5	1	7	0	1	4	28
M18B4	Other available assets							
	1	4	3	2	0	3	6	29
M18C	Disseminate targetable information to the FSE							
	1	4	6	4	0	1	4	28
M19	Initiate Close Air Support (CAS) request (AMTP 71-3, Task 71-3-3--4, 3009;							
	2	2	4	3	0	5	21	11
M19A	Request supports ground scheme of maneuver							
	2	2	4	3	0	4	4	29

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M19B	Request supports fire support plan							
	2	4	2	3	0	4	4	29
M19C	Request conforms to intelligence estimate							
	2	3	3	4	0	4	3	29
M19D	S3, with ALO advice and assistance, identifies preplanned air requirements							
	4	2	1	4	0	4	4	29
M19E	If preplanned, request contains desired air control measures for inclusion							
	4	1	1	2	1	6	5	28
M19F	If immediate CAS, S3/ALO ensures request contains information necessary to							
	3	1	0	3	0	7	5	29
M20	Determine what air is planned (AMTP 71-3, Task 71-3-3004)							
	3	3	9	5	0	2	16	10
M20A	S3 section obtains information from the ALO on planned air sorties in the							
	4	2	8	4	0	0	3	27
M20B	Determine type of aircraft, capabilities and munitions							
	2	6	6	6	0	0	2	26
M20C	Determine when the aircraft will arrive and how long aircraft will remain							
	2	5	7	5	0	1	2	26
M20D	Determine Electronic Warfare (EW) capabilities							
	7	5	2	3	0	3	2	26
M20E	Determine projected sortie allocation							
	3	3	5	8	0	0	3	26
M21	Determine what air is available (AMTP 71-3, Task 71-3-3004, 3009)							
	2	8	3	5	0	3	18	9
M21A	S3 section coordinates with the ALO/TACP to determine the number of air							
	5	4	3	3	0	3	1	29
M21B	Based on the ATO and communications with higher, the TACP identifies all							
	3	4	3	3	0	2	3	30
M21C	S3 section receives information on:							
	3	4	1	3	0	1	1	35
M21C1	Aircraft, capabilities, and munitions							
	6	4	2	3	0	1	2	30
M21C2	When and how long aircraft will be available							
	4	7	2	3	0	1	1	30
M21C3	EW assets and capabilities							
	6	5	0	3	0	2	2	30
M21C4	Air priority of effort in the AO							
	4	6	1	3	0	1	3	30
M21C5	Projected tanker support							
	4	2	0	2	0	4	6	30
M21C6	Projected Airborne Warning and Control System							
	5	2	1	2	0	2	6	30
M21C7	Projected fighter coverage							
	6	2	0	2	0	3	5	30
M21C8	Projected suppression coverage, JSEAD and Weasel							
	5	4	0	2	0	3	4	30

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

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Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M21D	TACP identifies aircraft on the way (2 hours out) and coordinates with							
	4	6	1	3	0	3	1	30
M22	Determine target identification procedures (AMTP 71-3, Task 71-3-9004; FM							
	1	10	0	3	0	3	21	10
M22A	S3/FSO, in conjunction with the ALO/TACP, determine target marking							
	6	7	0	3	0	2	4	26
M22B	Consider the utility of using target marking methods such as laser, smoke,							
	4	7	3	2	0	3	3	26
M22C	Identify easy to locate terrain features							
	4	5	1	3	0	5	3	27
M22D	Ensure distinction between target marking and method for marking friendly							
	5	4	0	3	0	6	3	27
M23	Develop contingency plans (AMTP 71-3, Task 71-3-3009, 9003, 9004; FM 6-20)							
	5	6	0	0	0	5	22	10
M23A	Identify secondary targets for CAS							
	3	4	0	1	0	6	3	31
M23A1	Identify alternate engagement areas							
	4	4	1	0	0	5	3	31
M23A2	Prepare for second echelon engagement							
	2	4	1	0	0	6	4	31
M23B	Identify back-up communications (ie							
	3	4	0	0	0	6	3	32
M23C	Coordinate for emergency control of CAS in event of ALO/ETAC KIA							
	4	4	0	0	0	5	3	32
M23D	Determine FSO/FO ability to control CAS in emergency							
	4	3	0	0	0	7	3	31
M23E	FSO plans alternate means to engage CAS targets							
	5	2	1	1	0	6	3	30
M24	Organize for combat (AMTP 71-3, Task 71-3-3001, 3002)							
	1	2	4	7	0	2	21	11
M24A	Establish chain of command							
	1	1	4	8	0	1	3	30
M24B	Identify locations provide uninterrupted communication with air and ground							
	0	2	6	4	0	2	4	30
M24C	Determine position of Air Liaison Officer within the command group for							
	1	2	4	4	0	3	4	30
M24D	Identify CAS final control authority							
	1	3	2	2	0	6	4	30
M25	Confirm aircraft allocation (AMTP 71-3, Task 71-3-3004, 3009)							
	2	4	3	10	0	2	19	8
M25A	Information on type aircraft, arrival times, munitions, and number of							
	2	4	3	7	0	2	2	28
M26	Integrate CAS with Brigade Synch Matrix (AMTP 71-3, Task 71-3-3004, 3009,							
	7	12	2	0	0	1	16	10
M26A	CAS plan conforms with Decision Support Template							
	11	9	1	0	0	0	4	23

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M26B	ALO and CAS are integrated into fire support rehearsals							
	3	6	0	0	0	1	2	36
M26C	CAS is synchronized with scheme of maneuver							
	5	9	0	1	0	1	5	27
M26C1	Timing							
	5	9	1	1	0	0	6	26
M26C2	Command or event driven sequence							
	6	9	0	1	0	0	6	26
M26D	CAS is synchronized with fire support plan							
	5	10	1	0	0	1	5	26
M26D1	Timing							
	5	10	0	0	0	2	5	26
M26D2	Command or event driven sequence							
	6	9	0	0	0	1	5	27
M26D3	Targets							
	5	9	2	0	0	1	4	27
M26E	CAS is synchronized with Army Aviation							
	7	7	0	0	0	2	7	25
M26E1	Timing							
	7	6	1	0	0	2	5	25
M26E2	Battle positions							
	8	6	0	0	0	1	5	26
M26E3	Engagement areas							
	7	7	0	0	0	1	5	26
M26F	Plan for continuous CAS missions							
	8	7	0	0	0	0	6	25
M27	Fire Support Element integrates CAS (AMTP 71-3, Task 71-3-3004, 3009, 9002;							
	5	7	3	0	0	1	21	11
M27A	CAS plan is incorporated into the indirect fire plan and included in the							
	6	5	4	0	0	0	3	30
M27A1	Sequence of attack							
	8	5	2	0	0	0	3	30
M27A2	Timing							
	7	6	2	0	0	0	3	30
M27A3	Engagement areas							
	6	5	2	2	0	0	3	30
M27A4	Targets							
	6	5	3	1	0	0	3	30
M27B	Masking of indirect fires is minimized							
	8	2	3	0	0	1	4	30
M27C	CAS target list is appropriate for air engagement							
	7	3	2	2	0	1	3	30
M27D	Identify coordination considerations with Army Aviation							
	8	3	2	0	0	3	2	30
M27E	ALO and CAS are integrated into fire support rehearsals							
	3	3	1	1	0	0	0	38

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M28	Confirm airspace control measures (AMTP 71-3, Task 71-3-3012, 3013, 6002,	7	6	6	3	1	1	12
								12
M28A	Review airspace control order (ACO) and identify any changes to initial	8	2	5	6	1	1	2
								23
M28B	Identify local airspace restrictions for areas, altitude, times, and routes	4	4	6	3	1	0	2
								28
M28C	Specifically identify ROZs for army aviation operations (FARPs, BPs, etc.)	5	0	5	4	1	2	3
								28
M28D	Monitor status of airfields and specifically identify ROZs for air routes,	5	0	4	3	1	3	4
								28
M28E	Specifically identify no fire areas due to ROE or friendly ground force	3	0	7	5	0	3	2
								28
M28F	Confirm ADA restricted operations areas (ROAs), weapons free zones, and	7	3	7	2	0	3	2
								24
M29	Confirm communications (AMTP 71-3, Task 71-3-1102)	5	1	4	8	0	4	14
								12
M29A	Confirm frequencies from ALO/ATO and distribution of requencies to	4	2	4	7	0	4	2
								25
M29B	Confirm distribution of proper authentication tables [AKAC 1553] to	4	0	4	9	0	4	2
								25
M29C	Conduct communications check and confirm communications capability with air	4	1	4	7	0	5	2
								25
M30	Deconflict airspace (AMTP 71-3, Task 71-3-3012, 3013, 6002, 7001, 9002; FM	4	4	6	0	1	3	16
								14
M30A	ACO provides for deconfliction of overall airspace into brigade AO	0	2	4	4	2	2	4
								30
M30B	Within brigade AO, brigade plan minimizes potential fratricide situations	0	6	4	3	0	2	4
								29
M30C	Brigade plan minimizes the masking of fires for all elements	1	5	2	3	0	2	4
								31
M30D	Plan provides for reaction to aircraft ingressing and egressing the AO	1	5	2	0	2	3	4
								31
M30E	Confirm that all the following assets are operating in concert:	3	4	3	0	0	2	4
								32
M30E1	CAS	2	4	3	0	0	2	4
								33
M30E2	Helicopters (attack, lift, and scout)	2	4	2	1	1	1	4
								33
M30E3	Indirect fires (artillery, mortars, and naval gunfire)	2	4	2	1	1	1	4
								33
M30E4	ADA	5	5	3	1	1	1	4
								28
M30E5	UAV	0	2	1	0	0	4	8
								33
M30F	FSO overlays indirect fire asset data (locations, gun target lines, maximum	7	4	1	0	0	1	5
								30

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [ALL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M30G	Monitor planned and outgoing fires							
	0	5	3	3	0	2	4	31

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TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [OPERATIONS] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M07D3	Identify and locate civilian airline routes	3	3	0	0	0	1	2
M07D4	Determine restrictions and constraints such as 'no fly zones'	2	4	0	1	0	0	2
M07E	Identify or designate the following areas:	0	2	0	0	1	0	6
M07E1	High density airspace control zone (HIDACZ)	0	2	0	0	2	3	2
M07E2	Restricted Operations Zones (ROZ)	0	3	1	0	0	3	2
M07E3	Air ingress/egress routes	1	3	0	2	0	1	2
M07E4	Airspace Coordination Areas (ACA)	0	3	0	1	0	2	3
M07E5	Contact Points/Initial Points (CP/IP)	0	3	0	1	0	3	2
M07E6	Helicopter air corridors	1	3	1	0	1	1	2
M07E7	Minimum Risk Routes (MRR)	1	2	0	0	1	2	2
M07E8	Engagement Areas (EAs)	2	1	1	0	1	2	2
M07F	Identify/designate ROZs for air resupply areas/times for both air drop and	0	2	2	1	0	2	2
M08	Determine communication requirements (AMTP 71-3, Task 71-3-1101)	0	2	3	1	1	0	2
M08A	Identify locations which provide continuous communications with ground and	1	1	2	3	1	0	1
M08B	Determine communications requirements with ground forces, air forces, and	0	2	2	2	1	0	1
M08C	Identify ground retransmission requirements	0	3	2	1	1	0	1
M08D	Coordinate with TACP to use AFAC as communications relay, if necessary	1	1	1	1	0	4	1
M09	Establish communications (AMTP 71-3, Task 71-3-1102)	0	0	3	1	0	2	3
M09A	Request air force frequencies (in ATO) and provide to army aviation and	0	0	2	2	0	2	2
M09B	Coordinate for, and ensure distribution of, authentication tables [AKAC	0	0	2	2	1	2	2
M10	Develop Air Defense Artillery control procedures (AMTP 71-3, Task	0	2	4	1	0	0	2
M10A	Coordinate ADA operations through the S3	0	1	4	2	0	0	2
M10B	Identify location and status of ADA units in brigade area	0	3	2	2	0	0	2

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [OPERATIONS] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M10C	Identify Air Defense Artillery (ADA) activation procedures (FM early	1	1	3	2	0	0	2
M10D	Maintain current ADA status and identify ADA changes of status/control	0	2	4	1	0	0	2
M10E	Identify air ingress/egress routes	0	3	1	3	0	0	2
M10F	Identify Restrictive Operation Areas (ROAs) and weapons free zones	0	1	2	1	0	1	2
M11	Coordinate Army Aviation employment (AMTP 71-3, Task 71-3-3011, 3012, 7001;	0	2	2	2	0	0	3
M11A	Identify responsibilities, aviation tasks and plans	0	1	2	3	0	1	2
M11B	Identify constraints/limitations in altitude and routes	0	2	1	2	0	2	2
M11C	Determine capabilities, type aircraft, callsigns, communications, and	0	1	3	3	0	0	2
M11D	Identify ROE	0	2	2	1	1	0	3
M11E	Identify engagement areas	2	0	1	1	1	1	3
M11F	Identify critical locations, such as:	0	0	1	2	0	0	6
M11F1	Landing zones	0	1	2	4	0	0	2
M11F2	Forward Arming and Refueling Points (FARP)	1	1	1	3	0	0	2
M11F3	Battle Positions (BPs)	0	0	2	3	0	0	2
M11F4	Aerial observation positions (AOPs)	0	1	2	1	0	2	2
M11G	Identify Joint Air Attack Team (JAAT) specific considerations	2	0	1	0	0	2	3
M11H	Aviation assets are incorporated into priority of fires and JSEAD	1	1	1	3	0	1	2
M12	S2 determine enemy ADA threat (AMTP 71-3, Task 71-3-2003, 2005)	0	1	3	2	0	0	3
M12A	Identify type and capabilities of enemy ADA systems (type munitions and	0	1	3	3	0	0	2
M12B	Determine locations of enemy ADA systems	0	2	3	2	0	0	2
M12C	Determine past and expected activities (movement/remain stationary) of	0	2	4	1	0	0	2
M12D	Pass targeting data to S3/FSO for JSEAD planning	0	3	2	2	0	0	2
M13	Develop fire support plan (AMTP 71-3, Task 71-3-3009, 3012, 9001, 9002; FM	0	1	3	1	0	0	4

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [OPERATIONS] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M13A	FSO advises on fire support capabilities, limitations, and coordinating							
	0	2	1	3	1	0	0	2
M13B	ALO is part of the fire support team and advises on air capabilities and							
	0	4	2	0	1	0	0	2
M13C	FSO and ALO coordinate on aircraft availability, munitions, capabilities,							
	0	4	2	1	0	0	0	2
M13D	FSO includes CAS in the fire support execution matrix							
	1	4	1	0	1	0	0	2
M13E	Primary concept for control measures in LIC is to separate artillery and							
	0	2	1	0	0	1	2	3
M13F	Fire support control measures are established							
	0	5	0	1	0	1	0	2
M13F1	Battle positions for army aviation							
	0	3	1	0	1	1	1	2
M13F2	No fire lines (NFL) and azimuth restrictions for artillery/mortars							
	2	3	0	1	0	0	1	2
M13F3	Engagement areas (EAs) identified by terrain features for CAS							
	1	4	1	0	0	1	0	2
M13F4	Other measures, such as FSCL, restrictive fire line (RFL), coordinated fire							
	1	5	0	0	1	0	0	2
M13G	Artillery is positioned to not interfere with airlines of							
	0	1	0	2	1	2	1	2
M13H	Fire support system is prepared to shut down operations for critical CAS							
	1	1	0	1	0	4	0	2
M13I	The following information is identified and maintained:							
	0	1	1	1	1	0	0	5
M13I1	Location of indirect fire assets							
	0	2	1	3	0	0	0	3
M13I1A	Artillery guns							
	0	2	1	3	1	0	0	2
M13I1B	Multiple Launched Rocket Systems							
	0	1	1	0	0	0	5	2
M13I1C	Mortars							
	0	1	3	2	1	0	0	2
M13I2	Capabilities of indirect fire assets							
	0	1	1	4	1	0	0	2
M13I3	Missions, planned targets, and gun-target lines							
	0	2	1	3	1	0	0	2
M13I4	Sequence of engagement							
	0	2	2	3	0	0	0	2
M13I5	Maximum ballistic altitudes							
	0	2	2	0	0	3	0	2
M13I6	Movement sequence (timing and new locations)							
	0	1	4	1	0	1	0	2
M13I7	ACAs							
	1	1	2	0	0	2	1	2

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [OPERATIONS] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M13I8	JAAT considerations							
	0	2	1	1	0	2	1	2
M14	Plan JSEAD (Joint Suppression of Enemy Air Defenses) (AMTP 71-3, Task							
	0	1	4	2	0	0	0	2
M14A	S2 identifies enemy ADA system/targets							
	0	0	5	3	0	0	0	1
M14B	Determine ADA target locations							
	0	1	3	3	0	1	0	1
M14C	Determine type of suppression							
	0	0	5	2	0	1	0	1
M14D	Determine type of JSEAD available							
	0	0	6	1	0	1	0	1
M14E	Integrate JSEAD with adjacent units							
	1	1	5	0	0	1	0	1
M15	Analyze targets (AMTP 71-3, Task 71-3-2003, 2006, 3004, 9003, 9004; FM							
	0	3	2	2	0	0	0	2
M15A	S2 identifies enemy locations							
	0	2	2	4	0	0	0	1
M15B	Determine target type, ALO recommends targets for CAS attack							
	0	5	2	0	0	1	0	1
M15C	Determine the best method to defeat enemy targets							
	1	3	3	1	0	0	0	1
M15C1	Determine constraints imposed by munitions available and ROE							
	1	3	1	1	0	1	1	1
M15C2	Match munitions to type targets							
	1	3	2	0	0	2	0	1
M15D	Identify appropriate JSEAD requirements							
	1	3	2	1	0	1	0	1
M15E	Identify necessary suppression measures and appropriate suppression systems							
	1	3	3	0	0	1	0	1
M15F	Identify the impact of weather on air operations and enemy ADA							
	1	2	0	5	0	0	0	1
M15G	Establish engagement criteria							
	1	4	2	1	0	0	0	1
M15H	Determine methods to identify friendly locations							
	0	6	1	0	1	0	0	1
M15I	On receipt of ATO information, ALO/FSO coordinate immediate 12 hour period							
	0	3	2	0	0	2	0	2
M15I1	Number and type of aircraft/munitions							
	0	4	2	0	0	2	0	1
M15I2	Targets appropriate to aircraft and munitions							
	0	4	2	0	0	2	0	1
M16	Determine ground priority targets (AMTP 71-3, Task 71-3-3005)							
	0	4	2	1	1	0	0	1
M16A	S3/FSO establish target priorities							
	0	4	4	0	1	0	0	0

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY
 MANUEVER [OPERATIONS] PLANNING & PREPARATION TASKS, ALL LEVELS
 ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M16B	ALO recommends priorities for air attack							
	1	4	2	1	0	1	0	0
M16B1	Identify target type							
	0	5	1	2	0	1	0	0
M16B2	Integrate target with threat to friendly forces, determining risk to air							
	1	5	0	0	2	1	0	0
M17	Develop ground scheme of maneuver (AMTP 71-3, Task 71-3-3001, 3002, 3004,							
	0	3	3	1	0	0	0	2
M17A	Identify forward line of troops (FLOT) and/or battle positions (BPs)							
	0	3	1	3	1	0	1	0
M17B	Identify location of elements forward of the FLOT or operating							
	0	4	3	2	0	0	0	0
M17C	Designate methods of marking friendly troop locations (Glint tape, VS-17							
	0	5	2	2	0	0	0	0
M17D	Designate engagement areas (EAs) (designated areas with no friendly troops)							
	0	3	1	1	1	0	3	0
M17E	Establish maneuver restrictions, such as boundaries, axis of advance, and							
	0	4	3	1	1	0	0	0
M17F	Designate other control measures on troop movement or location, as required							
	0	4	3	2	0	0	0	0
M18	Continuously Analyze Intelligence Developments (AMTP 71-3, Task 71-3-2003,							
	0	2	0	2	0	0	0	5
M18A	Integrate strategic and higher echelon information and intelligence from							
	3	0	0	0	0	0	0	6
M18A1	JSTAR							
	3	0	0	0	0	0	4	2
M18A2	U2/TR1							
	3	0	0	0	0	0	4	2
M18A3	Div/Corps G2							
	2	0	0	1	0	0	3	3
M18B	Integrate information and intelligence from own unit's assets, such as:							
	0	2	1	0	0	0	0	6
M18B1	Reconnaissance elements/scout platoon							
	0	4	0	3	0	0	0	2
M18B2	Ground assets/maneuver units							
	0	4	0	2	0	0	1	2
M18B3	Immediate tactical information observed by aircraft in the area							
	0	4	0	3	0	0	0	2
M18B4	Other available assets							
	0	4	0	1	0	1	1	2
M18C	Disseminate targetable information to the FSE							
	0	3	1	3	0	0	0	2
M19	Initiate Close Air Support (CAS) request (AMTP 71-3, Task 71-3-3--4, 3009;							
	1	1	2	1	0	1	0	3
M19A	Request supports ground scheme of maneuver							
	1	2	2	1	0	1	0	2

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY
MANUEVER [OPERATIONS] PLANNING & PREPARATION TASKS, ALL LEVELS
ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M19B	Request supports	fire	support	plan				
	1	2	2	1	0	1	0	2
M19C	Request conforms to intelligence estimate							
	1	1	2	2	0	1	0	2
M19D	S3, with ALO advice and assistance, identifies preplanned air requirements							
	1	2	1	2	0	1	0	2
M19E	If preplanned, request contains desired air control measures for inclusion							
	1	1	1	0	1	2	1	2
M19F	If immediate CAS, S3/ALO ensures request contains information necessary to							
	1	1	0	1	0	4	0	2
M20	Determine what air is planned (AMTP 71-3, Task 71-3-3004)							
	0	1	6	2	0	0	0	0
M20A	S3 section obtains information from the ALO on planned air sorties in the							
	0	0	7	2	0	0	0	0
M20B	Determine type of aircraft, capabilities and munitions							
	0	2	5	2	0	0	0	0
M20C	Determine when the aircraft will arrive and how long aircraft will remain							
	0	1	6	1	0	1	0	0
M20D	Determine Electronic Warfare (EW) capabilities							
	3	2	1	1	0	2	0	0
M20E	Determine projected sortie allocation							
	1	1	4	3	0	0	0	0
M21	Determine what air is available (AMTP 71-3, Task 71-3-3004, 3009)							
	0	4	2	2	0	0	0	1
M21A	S3 section coordinates with the ALO/TACP to determine the number of air							
	1	3	2	2	0	1	0	0
M21B	Based on the ATO and communications with higher, the TACP identifies all							
	1	2	2	2	0	1	0	1
M21C	S3 section receives information on:							
	0	2	1	2	0	0	0	4
M21C1	Aircraft, capabilities, and munitions							
	1	3	2	2	0	0	0	1
M21C2	When and how long aircraft will be available							
	0	4	2	2	0	0	0	1
M21C3	EW assets and capabilities							
	2	3	0	2	0	1	0	1
M21C4	Air priority of effort in the AO							
	1	4	1	2	0	0	0	1
M21C5	Projected tanker support							
	1	1	0	1	0	3	2	1
M21C6	Projected Airborne Warning and Control System							
	1	1	1	1	0	1	3	1
M21C7	Projected fighter coverage							
	2	1	0	1	0	2	2	1
M21C8	Projected suppression coverage, JSEAD and Weasel							
	2	3	0	1	0	2	0	1

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [OPERATIONS] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M21D	TACP identifies aircraft on the way (2 hours out) and coordinates with							
	0	4	1	2	0	1	0	1
M22	Determine target identification procedures (AMTP 71-3, Task 71-3-9004; FM							
	1	5	0	1	0	2	0	0
M22A	S3/FSO, in conjunction with the ALO/TACP, determine target marking							
	1	5	0	1	0	2	0	0
M22B	Consider the utility of using target marking methods such as laser, smoke,							
	1	3	2	0	0	3	0	0
M22C	Identify easy to locate terrain features							
	1	2	1	1	0	4	0	0
M22D	Ensure distinction between target marking and method for marking friendly							
	1	2	0	1	0	5	0	0
M23	Develop contingency plans (AMTP 71-3, Task 71-3-3009, 9003, 9004; FM 6-20)							
	1	6	0	0	0	1	0	1
M23A	Identify secondary targets for CAS							
	1	4	0	1	0	3	0	0
M23A1	Identify alternate engagement areas							
	2	4	1	0	0	2	0	0
M23A2	Prepare for second echelon engagement							
	1	4	0	0	0	3	1	0
M23B	Identify back-up communications (ie							
	1	4	0	0	0	3	0	1
M23C	Coordinate for emergency control of CAS in event of ALO/ETAC KIA							
	2	4	0	0	0	2	0	1
M23D	Determine FSO/FO ability to control CAS in emergency							
	1	3	0	0	0	4	0	1
M23E	FSO plans alternate means to engage CAS targets							
	2	2	1	1	0	3	0	0
M24	Organize for combat (AMTP 71-3, Task 71-3-3001, 3002)							
	0	2	2	4	0	0	0	1
M24A	Establish chain of command							
	0	1	3	4	0	0	0	1
M24B	Identify locations provide uninterrupted communication with air and ground							
	0	2	3	3	0	0	0	1
M24C	Determine position of Air Liaison Officer within the command group for							
	0	2	2	2	0	2	0	1
M24D	Identify CAS final control authority							
	0	2	1	1	0	4	0	1
M25	Confirm aircraft allocation (AMTP 71-3, Task 71-3-3004, 3009)							
	0	2	2	4	0	0	1	0
M25A	Information on type aircraft, arrival times, munitions, and number of							
	0	2	2	3	0	0	1	1
M26	Integrate CAS with Brigade Synch Matrix (AMTP 71-3, Task 71-3-3004, 3009,							
	0	8	0	0	0	0	0	1
M26A	CAS plan conforms with Decision Support Template							
	2	7	0	0	0	0	0	0

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [OPERATIONS] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M26B	ALO and CAS are integrated into fire support rehearsals							
	0	3	0	0	0	1	0	5
M26C	CAS is synchronized with scheme of maneuver							
	1	7	0	0	0	0	0	1
M26C1	Timing							
	1	7	1	0	0	0	0	0
M26C2	Command or event driven sequence							
	2	7	0	0	0	0	0	0
M26D	CAS is synchronized with fire support plan							
	1	8	0	0	0	0	0	0
M26D1	Timing							
	1	8	0	0	0	0	0	0
M26D2	Command or event driven sequence							
	2	7	0	0	0	0	0	0
M26D3	Targets							
	1	7	1	0	0	0	0	0
M26E	CAS is synchronized with Army Aviation							
	1	7	0	0	0	0	1	0
M26E1	Timing							
	1	6	1	0	0	0	1	0
M26E2	Battle positions							
	2	6	0	0	0	0	1	0
M26E3	Engagement areas							
	1	7	0	0	0	0	1	0
M26F	Plan for continuous CAS missions							
	2	6	0	0	0	0	1	0
M27	Fire Support Element integrates CAS (AMTP 71-3, Task 71-3-3004, 3009, 9002;							
	0	4	3	0	0	0	0	2
M27A	CAS plan is incorporated into the indirect fire plan and included in the							
	1	3	3	0	0	0	0	2
M27A1	Sequence of attack							
	2	3	2	0	0	0	0	2
M27A2	Timing							
	1	4	2	0	0	0	0	2
M27A3	Engagement areas							
	1	3	2	1	0	0	0	2
M27A4	Targets							
	1	3	3	0	0	0	0	2
M27B	Masking of indirect fires is minimized							
	2	1	3	0	0	1	0	2
M27C	CAS target list is appropriate for air engagement							
	2	1	2	2	0	0	0	2
M27D	Identify coordination considerations with Army Aviation							
	2	2	2	0	0	1	0	2
M27E	ALO and CAS are integrated into fire support rehearsals							
	0	2	1	0	0	0	0	6

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [OPERATIONS] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M28	Confirm airspace control measures (AMTP 71-3, Task 71-3-3012, 3013, 6002,							
	0	4	3	0	0	0	0	2
M28A	Review airspace control order (ACO) and identify any changes to initial							
	1	1	3	1	0	1	1	1
M28B	Identify local airspace restrictions for areas, altitude, times, and routes							
	1	3	3	0	0	0	1	1
M28C	Specifically identify ROZs for army aviation operations (FARPs, BPs, etc.)							
	2	0	4	0	0	0	2	1
M28D	Monitor status of airfields and specifically identify ROZs for air routes,							
	1	0	4	0	0	0	3	1
M28E	Specifically identify no fire areas due to ROE or friendly ground force							
	1	0	5	1	0	1	0	1
M28F	Confirm ADA restricted operations areas (ROAs), weapons free zones, and							
	0	2	5	0	0	1	0	1
M29	Confirm communications (AMTP 71-3, Task 71-3-1102)							
	0	0	2	2	0	2	0	3
M29A	Confirm frequencies from ALO/ATO and distribution of frequencies to							
	0	0	2	2	0	2	0	3
M29B	Confirm distribution of proper authentication tables [AKAC 1553] to							
	0	0	2	2	0	2	0	3
M29C	Conduct communications check and confirm communications capability with air							
	1	0	1	1	0	3	0	3
M30	Deconflict airspace (AMTP 71-3, Task 71-3-3012, 3013, 6002, 7001, 9002; FM							
	1	3	2	0	0	0	2	1
M30A	ACO provides for deconfliction of overall airspace into brigade AO							
	0	1	2	0	1	1	1	3
M30B	Within brigade AO, brigade plan minimizes potential fratricide situations							
	0	2	3	0	0	1	1	2
M30C	Brigade plan minimizes the masking of fires for all elements							
	0	3	2	0	0	1	1	2
M30D	Plan provides for reaction to aircraft ingressing and egressing the AO							
	0	3	2	0	0	1	1	2
M30E	Confirm that all the following assets are operating in concert:							
	0	3	2	0	0	0	1	3
M30E1	CAS							
	1	3	2	0	0	0	1	2
M30E2	Helicopters (attack, lift, and scout)							
	1	3	1	1	0	0	1	2
M30E3	Indirect fires (artillery, mortars, and naval gunfire)							
	1	3	1	1	0	0	1	2
M30E4	ADA							
	1	3	1	1	0	0	1	2
M30E5	UAV							
	0	1	1	0	0	1	4	2
M30F	FSO overlays indirect fire asset data (locations, gun target lines, maximum							
	3	2	1	0	0	0	1	2

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [OPERATIONS] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M30G	Monitor planned and outgoing fires							
	0	2	3	0	0	1	1	2

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [FIRE SUPPORT] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M01	Conduct mission analysis (AMTP 71-3, Task 71-3-3001; FM 101-5)							
	0	0	3	2	0	2	0	2
M01A	Determine specified tasks							
	0	0	3	4	0	2	0	0
M01B	Determine implied tasks							
	0	0	3	4	0	2	0	0
M01C	Determine area of operations (sector/zone)							
	0	1	2	4	0	2	0	0
M01D	Determine available time							
	0	0	3	3	0	3	0	0
M01E	Identify specific Rules of Engagement (ROE) that apply to CAS/air							
	1	1	2	1	0	4	0	0
M02	Determine the commander's intent (AMTP 71-3, Task 71-3-9001; FM 101-5)							
	0	3	1	3	0	0	0	2
M02A	Understand the purpose of the mission							
	1	1	1	5	0	0	0	1
M02B	Understand commander's intent for CAS							
	1	1	3	3	0	0	0	1
M03	S2 prepares Intelligence Estimate (AMTP 71-3, Task 71-3-2001; FM 34-1)							
	0	0	1	0	0	0	5	3
M03A	Perform IPB and identify all available information and intelligence on							
	0	0	0	0	0	0	3	6
M03B	Determine availability of air intelligence assets in addition to normal							
	0	0	0	0	0	0	3	6
M03C	Request continuous flow of combat information from aircraft to S2							
	0	0	0	0	0	0	3	6
M03D	Ensure continuous flow of new intelligence to the Air Liaison Officer							
	1	0	0	0	0	0	3	5
M03E	Request G2 input on deep enemy ADA threat							
	0	0	0	0	0	0	3	6
M03F	Coordinate with TACP if not receiving pilot tactical information							
	0	0	0	0	0	0	3	6
M04	S2 analyze the terrain (AMTP 71-3, Task 71-3-2001, 2003; FM 34-1)							
	0	0	0	0	0	0	6	3
M04A	Determine ground avenues of approach, choke points, and obstacles							
	0	0	0	1	0	0	3	5
M04B	Identify air avenues of approach							
	0	0	0	1	0	0	3	5
M04C	Determine the impact of weather on air operations							
	0	0	0	0	0	1	3	5
M05	S2 analyze the enemy situation (AMTP 71-3, Task 71-3-2001, 2003, 2005; FM							
	0	0	0	0	0	0	3	6
M05A	Determine size, disposition, location, and organization of enemy forces							
	0	0	0	0	0	0	3	6
M05B	Identify current and anticipated enemy ADA capabilities, locations, and							
	0	0	0	0	0	0	3	6

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [FIRE SUPPORT] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M05C	Identify potential courses of action	0	0	0	0	0	3	6
M05D	Determine impact of weather on enemy ADA	0	0	0	0	0	3	6
M05E	Pass targeting data to S3/FSO	0	2	1	0	0	3	3
M06	S3/FSO develop/provide friendly situation (AMTP 71-3, Task 71-3-3002,	1	1	4	2	0	0	1
M06A	Identify and provide location of forward elements, Forward Line of Troops	0	0	4	3	0	1	1
M06B	Identify location of indirect fire assets, to include artillery, mortars,	0	0	1	7	0	0	1
M06C	Identify helicopter areas of operation (AO), to include routes, lift, and	2	2	1	3	0	0	1
M06D	Identify UAV (Unmanned Air Vehicle) AOs	0	0	0	1	0	7	1
M06E	Determine and provide location of the FSCL (Fire Support Coordination Line)	0	0	1	6	0	1	1
M06F	Identify Host country fire restrictive measures	1	1	2	3	0	1	1
M06G	Provide friendly maneuver plan, tactical situation, choke points, trigger	1	1	3	2	0	1	1
M07	A2C2 element identify or develop air control measures (AMTP 71-3, Task	1	1	0	1	0	1	3
M07A	Identify area for which the brigade is responsible (vertical, left, and	0	0	0	0	0	1	2
M07B	Identify users of the airspace and their requirements (army aviation, air	0	0	0	1	0	1	2
M07C	Identify areas impacting on air operations	0	0	0	0	0	1	2
M07C1	Aviation unit and FARP locations	0	0	1	0	0	1	2
M07C2	Artillery locations and planned fires	0	0	1	1	0	1	2
M07C3	RPV launch and recovery sites and flight paths	0	0	0	0	0	1	4
M07C4	ADA locations, engagement zones, and coverage	0	0	0	0	0	2	2
M07C5	Positions of instrument landing systems, navigation aids (NAVAID), flight	0	0	0	0	0	2	2
M07D	Identify user priorities, restrictions, and control measures	0	0	0	0	0	1	2
M07D1	Confirm coordinating altitude (from above ground level (AGL))	0	0	0	1	0	1	2
M07D2	Confirm air ROE	0	1	0	0	0	2	2

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [FIRE SUPPORT] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M07D3	Identify and locate civilian airline routes							
	0	0	0	0	0	2	2	5
M07D4	Determine restrictions and constraints such as 'no fly zones'							
	0	0	0	0	0	2	2	5
M07E	Identify or designate the following areas:							
	0	0	0	0	0	1	3	5
M07E1	High density airspace control zone (HIDACZ)							
	0	0	0	0	0	1	3	5
M07E2	Restricted Operations Zones (ROZ)							
	0	0	0	0	0	1	3	5
M07E3	Air ingress/egress routes							
	0	0	0	0	0	1	3	5
M07E4	Airspace Coordination Areas (ACA)							
	0	0	0	0	0	1	3	5
M07E5	Contact Points/Initial Points (CP/IP)							
	0	0	1	0	0	1	2	5
M07E6	Helicopter air corridors							
	0	0	0	0	0	1	3	5
M07E7	Minimum Risk Routes (MRR)							
	0	0	0	0	0	1	2	6
M07E8	Engagement Areas (EAs)							
	0	0	1	0	0	1	2	5
M07F	Identify/designate ROZs for air resupply areas/times for both air drop and							
	0	0	1	0	0	1	2	5
M08	Determine communication requirements (AMTP 71-3, Task 71-3-1101)							
	0	0	0	3	0	1	1	4
M08A	Identify locations which provide continuous communications with ground and							
	0	0	0	3	0	1	1	4
M08B	Determine communications requirements with ground forces, air forces, and							
	0	0	0	3	0	1	1	4
M08C	Identify ground retransmission requirements							
	0	0	0	3	0	1	1	4
M08D	Coordinate with TACP to use AFAC as communications relay, if necessary							
	0	0	0	3	0	1	1	4
M09	Establish communications (AMTP 71-3, Task 71-3-1102)							
	1	0	0	3	0	1	0	4
M09A	Request air force frequencies (in ATO) and provide to army aviation and							
	0	0	0	4	0	2	1	2
M09B	Coordinate for, and ensure distribution of, authentication tables [AKAC							
	1	0	0	4	0	1	1	2
M10	Develop Air Defense Artillery control procedures (AMTP 71-3, Task							
	0	0	0	0	0	2	2	5
M10A	Coordinate ADA operations through the S3							
	0	0	0	0	0	2	1	6
M10B	Identify location and status of ADA units in brigade area							
	0	0	0	0	0	2	1	6

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [FIRE SUPPORT] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M10C	Identify Air Defense Artillery (ADA) activation procedures (FM early	0	0	0	0	2	1	6
M10D	Maintain current ADA status and identify ADA changes of status/control	0	0	0	0	2	1	6
M10E	Identify air ingress/egress routes	0	0	0	0	2	1	6
M10F	Identify Restrictive Operation Areas (ROAs) and weapons free zones	0	0	0	0	2	1	6
M11	Coordinate Army Aviation employment (AMTP 71-3, Task 71-3-3011, 3012, 7001;	0	0	0	0	2	1	6
M11A	Identify responsibilities, aviation tasks and plans	0	0	1	0	2	2	4
M11B	Identify constraints/limitations in altitude and routes	0	0	0	0	2	2	5
M11C	Determine capabilities, type aircraft, callsigns, communications, and	0	0	0	0	2	2	5
M11D	Identify ROE	0	0	0	0	2	2	5
M11E	Identify engagement areas	0	0	0	0	2	2	5
M11F	Identify critical locations, such as:	0	0	0	0	2	2	5
M11F1	Landing zones	0	0	0	0	2	2	5
M11F2	Forward Arming and Refueling Points (FARP)	0	0	0	0	2	2	5
M11F3	Battle Positions (BPs)	0	0	0	0	2	2	5
M11F4	Aerial observation positions (AOPs)	0	0	0	0	2	2	5
M11G	Identify Joint Air Attack Team (JAAT) specific considerations	1	1	0	0	2	1	4
M11H	Aviation assets are incorporated into priority of fires and JSEAD	1	0	2	0	2	1	3
M12	S2 determine enemy ADA threat (AMTP 71-3, Task 71-3-2003, 2005)	0	0	0	1	0	5	3
M12A	Identify type and capabilities of enemy ADA systems (type munitions and	0	0	1	0	0	3	5
M12B	Determine locations of enemy ADA systems	0	0	1	0	0	3	5
M12C	Determine past and expected activities (movement/remain stationary) of	0	0	1	0	0	3	5
M12D	Pass targeting data to S3/FSO for JSEAD planning	0	0	0	1	0	3	5
M13	Develop fire support plan (AMTP 71-3, Task 71-3-3009, 3012, 9001, 9002; FM	1	2	1	3	0	0	2

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY
 MANUEVER [FIRE SUPPORT] PLANNING & PREPARATION TASKS, ALL LEVELS
 ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M13A	FSO advises on fire support capabilities, limitations, and coordinating							
	0	0	1	7	1	0	0	0
M13B	ALO is part of the fire support team and advises on air capabilities and							
	2	2	3	2	0	0	0	0
M13C	FSO and ALO coordinate on aircraft availability, munitions, capabilities,							
	2	3	2	2	0	0	0	0
M13D	FSO includes CAS in the fire support execution matrix							
	3	1	3	2	0	0	0	0
M13E	Primary concept for control measures in LIC is to separate artillery and							
	1	1	1	2	0	0	4	0
M13F	Fire support control measures are established							
	0	2	4	1	0	0	0	2
M13F1	Battle positions for army aviation							
	2	2	3	1	0	1	0	0
M13F2	No fire lines (NFL) and azimuth restrictions for artillery/mortars							
	4	1	1	1	0	1	1	0
M13F3	Engagement areas (EAs) identified by terrain features for CAS							
	5	1	1	1	0	0	1	0
M13F4	Other measures, such as FSCL, restrictive fire line (RFL), coordinated fire							
	0	2	2	4	0	0	1	0
M13G	Artillery is positioned to not interfere with airlines of							
	3	1	0	3	0	2	0	0
M13H	Fire support system is prepared to shut down operations for critical CAS							
	3	1	0	3	0	1	0	1
M13I	The following information is identified and maintained:							
	0	2	1	4	0	0	0	2
M13I1	Location of indirect fire assets							
	0	1	1	6	0	0	0	1
M13I1A	Artillery guns							
	0	1	1	7	0	0	0	0
M13I1B	Multiple Launched Rocket Systems							
	0	0	0	0	0	0	9	0
M13I1C	Mortars							
	0	2	0	7	0	0	0	0
M13I2	Capabilities of indirect fire assets							
	0	2	2	5	0	0	0	0
M13I3	Missions, planned targets, and gun-target lines							
	0	4	2	3	0	0	0	0
M13I4	Sequence of engagement							
	1	3	1	2	0	1	1	0
M13I5	Maximum ballistic altitudes							
	6	2	0	1	0	0	0	0
M13I6	Movement sequence (timing and new locations)							
	0	3	1	1	0	2	2	0
M13I7	ACAs							
	2	3	1	2	0	1	0	0

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [FIRE SUPPORT] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M13I8	JAAT considerations							
	5	1	0	0	0	2	1	0
M14	Plan JSEAD (Joint Suppression of Enemy Air Defenses) (AMTP 71-3, Task							
	1	0	1	0	0	3	1	3
M14A	S2 identifies enemy ADA system/targets							
	0	0	1	0	0	1	2	5
M14B	Determine ADA target locations							
	0	0	1	0	0	1	2	5
M14C	Determine type of suppression							
	0	1	0	0	0	1	2	5
M14D	Determine type of JSEAD available							
	0	0	1	0	0	1	2	5
M14E	Integrate JSEAD with adjacent units							
	0	0	1	0	0	1	2	5
M15	Analyze targets (AMTP 71-3, Task 71-3-2003, 2006, 3004, 9003, 9004; FM							
	0	1	3	2	0	0	0	3
M15A	S2 identifies enemy locations							
	0	0	2	2	0	0	2	3
M15B	Determine target type, ALO recommends targets for CAS attack							
	2	1	0	3	0	0	0	3
M15C	Determine the best method to defeat enemy targets							
	1	1	1	3	0	0	0	3
M15C1	Determine constraints imposed by munitions available and ROE							
	1	1	2	2	0	0	0	3
M15C2	Match munitions to type targets							
	1	1	1	3	0	0	0	3
M15D	Identify appropriate JSEAD requirements							
	1	1	1	0	0	1	2	3
M15E	Identify necessary suppression measures and appropriate suppression systems							
	2	1	1	1	0	1	0	3
M15F	Identify the impact of weather on air operations and enemy ADA							
	3	0	0	2	0	1	0	3
M15G	Establish engagement criteria							
	3	0	2	1	0	0	0	3
M15H	Determine methods to identify friendly locations							
	2	1	2	1	0	0	0	3
M15I	On receipt of ATO information, ALO/FSO coordinate immediate 12 hour period							
	0	2	1	2	0	1	0	3
M15I1	Number and type of aircraft/munitions							
	1	1	1	2	0	1	0	3
M15I2	Targets appropriate to aircraft and munitions							
	1	1	1	2	0	1	0	3
M16	Determine ground priority targets (AMTP 71-3, Task 71-3-3005)							
	0	2	1	3	0	0	0	3
M16A	S3/FSO establish target priorities							
	0	1	3	5	0	0	0	0

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [FIRE SUPPORT] PLANNING & PREPARATION TASKS, ALL LEVELS

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Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M16B	ALO recommends priorities for air attack							
	5	0	1	2	0	1	0	0
M16B1	Identify target type							
	5	0	1	2	0	1	0	0
M16B2	Integrate target with threat to friendly forces, determining risk to air							
	5	0	1	2	0	1	0	0
M17	Develop ground scheme of maneuver (AMTP 71-3, Task 71-3-3001, 3002, 3004,							
	0	1	3	1	0	0	1	3
M17A	Identify forward line of troops (FLOT) and/or battle positions (BPs)							
	0	0	2	1	0	0	3	3
M17B	Identify location of elements forward of the FLOT or operating							
	0	2	1	2	0	0	1	3
M17C	Designate methods of marking friendly troop locations (Glint tape, VS-17							
	0	2	2	0	0	1	1	3
M17D	Designate engagement areas (EAs) (designated areas with no friendly troops)							
	1	1	1	1	0	1	1	3
M17E	Establish maneuver restrictions, such as boundaries, axis of advance, and							
	0	1	1	2	0	0	1	4
M17F	Designate other control measures on troop movement or location, as required							
	0	1	1	2	0	0	1	4
M18	Continuously Analyze Intelligence Developments (AMTP 71-3, Task 71-3-2003,							
	0	0	1	0	0	2	3	3
M18A	Integrate strategic and higher echelon information and intelligence from							
	0	0	0	0	0	2	2	5
M18A1	JSTAR							
	0	0	0	0	0	2	2	5
M18A2	U2/TR1							
	0	0	0	0	0	2	2	5
M18A3	Div/Corps G2							
	0	0	1	0	0	2	1	5
M18B	Integrate information and intelligence from own unit's assets, such as:							
	0	0	1	0	0	2	1	5
M18B1	Reconnaissance elements/scout platoon							
	0	0	1	0	0	2	1	5
M18B2	Ground assets/maneuver units							
	0	0	1	0	0	2	1	5
M18B3	Immediate tactical information observed by aircraft in the area							
	0	1	0	1	0	1	1	5
M18B4	Other available assets							
	0	0	0	0	0	2	2	5
M18C	Disseminate targetable information to the FSE							
	0	1	0	1	0	1	1	5
M19	Initiate Close Air Support (CAS) request (AMTP 71-3, Task 71-3-3--4, 3009;							
	1	1	1	2	0	3	1	0
M19A	Request supports ground scheme of maneuver							
	1	0	2	2	0	3	0	1

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [FIRE SUPPORT] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M19B	Request supports fire support plan							
	1	2	0	2	0	3	0	1
M19C	Request conforms to intelligence estimate							
	1	2	0	2	0	3	0	1
M19D	S3, with ALO advice and assistance, identifies preplanned air requirements							
	3	0	0	2	0	3	0	1
M19E	If preplanned, request contains desired air control measures for inclusion							
	3	0	0	2	0	3	0	1
M19F	If immediate CAS, S3/ALO ensures request contains information necessary to							
	2	0	0	2	0	3	1	1
M20	Determine what air is planned (AMTP 71-3, Task 71-3-3004)							
	1	1	2	2	0	1	0	2
M20A	S3 section obtains information from the ALO on planned air sorties in the							
	3	1	1	2	0	0	0	2
M20B	Determine type of aircraft, capabilities and munitions							
	1	3	1	2	0	0	0	2
M20C	Determine when the aircraft will arrive and how long aircraft will remain							
	1	3	0	3	0	0	0	2
M20D	Determine Electronic Warfare (EW) capabilities							
	4	1	0	1	0	1	0	2
M20E	Determine projected sortie allocation							
	1	1	0	5	0	0	0	2
M21	Determine what air is available (AMTP 71-3, Task 71-3-3004, 3009)							
	1	3	1	1	0	2	0	1
M21A	S3 section coordinates with the ALO/TACP to determine the number of air							
	3	1	1	1	0	1	0	2
M21B	Based on the ATO and communications with higher, the TACP identifies all							
	2	2	1	1	0	1	0	2
M21C	S3 section receives information on:							
	3	1	0	1	0	1	0	3
M21C1	Aircraft, capabilities, and munitions							
	4	1	0	1	0	1	0	2
M21C2	When and how long aircraft will be available							
	3	2	0	1	0	1	0	2
M21C3	EW assets and capabilities							
	3	2	0	1	0	1	0	2
M21C4	Air priority of effort in the AO							
	3	2	0	1	0	1	0	2
M21C5	Projected tanker support							
	3	1	0	1	0	1	1	2
M21C6	Projected Airborne Warning and Control System							
	3	1	0	1	0	1	1	2
M21C7	Projected fighter coverage							
	3	1	0	1	0	1	1	2
M21C8	Projected suppression coverage, JSEAD and Weasel							
	3	1	0	1	0	1	1	2

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [FIRE SUPPORT] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M21D	TACP identifies aircraft on the way (2 hours out) and coordinates with							
	3	1	0	1	0	2	0	2
M22	Determine target identification procedures (AMTP 71-3, Task 71-3-9004; FM							
	0	4	0	2	0	0	0	3
M22A	S3/FSO, in conjunction with the ALO/TACP, determine target marking							
	5	2	0	2	0	0	0	0
M22B	Consider the utility of using target marking methods such as laser, smoke,							
	3	3	1	2	0	0	0	0
M22C	Identify easy to locate terrain features							
	3	3	0	2	0	1	0	0
M22D	Ensure distinction between target marking and method for marking friendly							
	4	2	0	2	0	1	0	0
M23	Develop contingency plans (AMTP 71-3, Task 71-3-3009, 9003, 9004; FM 6-20)							
	4	0	0	0	0	3	0	2
M23A	Identify secondary targets for CAS							
	2	0	0	0	0	3	0	4
M23A1	Identify alternate engagement areas							
	2	0	0	0	0	3	0	4
M23A2	Prepare for second echelon engagement							
	1	0	1	0	0	3	0	4
M23B	Identify back-up communications (ie							
	2	0	0	0	0	3	0	4
M23C	Coordinate for emergency control of CAS in event of ALO/ETAC KIA							
	2	0	0	0	0	3	0	4
M23D	Determine FSO/FO ability to control CAS in emergency							
	3	0	0	0	0	3	0	3
M23E	FSO plans alternate means to engage CAS targets							
	3	0	0	0	0	3	0	3
M24	Organize for combat (AMTP 71-3, Task 71-3-3001, 3002)							
	1	0	2	2	0	1	0	3
M24A	Establish chain of command							
	1	0	1	3	0	1	0	3
M24B	Identify locations provide uninterrupted communication with air and ground							
	0	0	3	1	0	2	0	3
M24C	Determine position of Air Liaison Officer within the command group for							
	1	0	2	2	0	1	0	3
M24D	Identify CAS final control authority							
	1	1	1	1	0	2	0	3
M25	Confirm aircraft allocation (AMTP 71-3, Task 71-3-3004, 3009)							
	1	2	1	4	0	1	0	0
M25A	Information on type aircraft, arrival times, munitions, and number of							
	1	2	1	4	0	1	0	0
M26	Integrate CAS with Brigade Synch Matrix (AMTP 71-3, Task 71-3-3004, 3009,							
	5	1	1	0	0	0	1	1
M26A	CAS plan conforms with Decision Support Template							
	4	1	1	0	0	0	0	3

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY
 MANUEVER [FIRE SUPPORT] PLANNING & PREPARATION TASKS, ALL LEVELS
 ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M26B	ALO and CAS are integrated into fire support rehearsals							
	3	1	0	0	0	0	0	5
M26C	CAS is synchronized with scheme of maneuver							
	4	1	0	0	0	1	0	3
M26C1	Timing							
	4	1	0	0	0	0	0	4
M26C2	Command or event driven sequence							
	4	1	0	0	0	0	0	4
M26D	CAS is synchronized with fire support plan							
	4	1	0	0	0	0	0	4
M26D1	Timing							
	4	1	0	0	0	1	0	3
M26D2	Command or event driven sequence							
	4	1	0	0	0	0	0	4
M26D3	Targets							
	4	1	0	0	0	0	0	4
M26E	CAS is synchronized with Army Aviation							
	5	0	0	0	0	0	0	4
M26E1	Timing							
	5	0	0	0	0	1	0	3
M26E2	Battle positions							
	5	0	0	0	0	0	0	4
M26E3	Engagement areas							
	5	0	0	0	0	0	0	4
M26F	Plan for continuous CAS missions							
	5	0	0	0	0	0	0	4
M27	Fire Support Element integrates CAS (AMTP 71-3, Task 71-3-3004, 3009, 9002;							
	5	3	0	0	0	0	1	0
M27A	CAS plan is incorporated into the indirect fire plan and included in the							
	5	2	1	0	0	0	0	1
M27A1	Sequence of attack							
	6	2	0	0	0	0	0	1
M27A2	Timing							
	6	2	0	0	0	0	0	1
M27A3	Engagement areas							
	5	2	0	1	0	0	0	1
M27A4	Targets							
	5	2	0	1	0	0	0	1
M27B	Masking of indirect fires is minimized							
	6	1	0	0	0	0	1	1
M27C	CAS target list is appropriate for air engagement							
	5	2	0	0	0	1	0	1
M27D	Identify coordination considerations with Army Aviation							
	6	1	0	0	0	1	0	1
M27E	ALO and CAS are integrated into fire support rehearsals							
	3	1	0	1	0	0	0	4

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [FIRE SUPPORT] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M28	Confirm airspace control measures (AMTP 71-3, Task 71-3-3012, 3013, 6002,	3	1	2	1	0	0	1
M28A	Review airspace control order (ACO) and identify any changes to initial	3	1	1	1	0	0	0
M28B	Identify local airspace restrictions for areas, altitude, times, and routes	2	1	2	1	0	0	0
M28C	Specifically identify ROZs for army aviation operations (FARPs, BPs, etc.)	2	0	1	2	0	1	0
M28D	Monitor status of airfields and specifically identify ROZs for air routes,	3	0	0	1	0	2	0
M28E	Specifically identify no fire areas due to ROE or friendly ground force	2	0	2	1	0	1	0
M28F	Confirm ADA restricted operations areas (ROAs), weapons free zones, and	3	0	1	0	0	2	0
M29	Confirm communications (AMTP 71-3, Task 71-3-1102)	1	0	0	5	0	2	0
M29A	Confirm frequencies from ALO/ATO and distribution of requences to	1	0	0	4	0	2	0
M29B	Confirm distribution of proper authentication tables [AKAC 1553] to	1	0	0	4	0	2	0
M29C	Conduct communications check and confirm communications capability with air	1	0	1	3	0	2	0
M30	Deconflict airspace (AMTP 71-3, Task 71-3-3012, 3013, 6002, 7001, 9002; FM	0	1	2	0	0	2	2
M30A	ACO provides for deconfliction of overall airspace into brigade AO	0	0	1	2	0	1	1
M30B	Within brigade AO, brigade plan minimizes potential fratricide situations	0	2	0	1	0	1	1
M30C	Brigade plan minimizes the masking of fires for all elements	1	1	0	1	0	1	1
M30D	Plan provides for reaction to aircraft ingressing and egressing the AO	1	1	0	0	0	2	1
M30E	Confirm that all the following assets are operating in concert:	3	0	0	0	0	1	1
M30E1	CAS	1	0	0	0	0	1	1
M30E2	Helicopters (attack, lift, and scout)	1	0	0	0	0	1	1
M30E3	Indirect fires (artillery, mortars, and naval gunfire)	1	0	0	0	0	1	1
M30E4	ADA	1	0	0	0	0	1	1
M30E5	UAV	0	0	0	0	0	1	2
M30F	FSO overlays indirect fire asset data (locations, gun target lines, maximum	3	0	0	0	0	1	1

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [FIRE SUPPORT] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M30G	Monitor planned and outgoing fires							
	0	2	0	1	0	1	1	4

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [INTELLIGENCE] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M01	Conduct mission analysis (AMTP 71-3, Task 71-3-3001; FM 101-5)							
	0	0	1	5	0	0	0	3
M01A	Determine specified tasks							
	0	0	0	4	0	0	0	5
M01B	Determine implied tasks							
	0	0	0	4	0	0	0	5
M01C	Determine area of operations (sector/zone)							
	0	1	0	3	0	0	0	5
M01D	Determine available time							
	0	0	0	4	0	0	0	5
M01E	Identify specific Rules of Engagement (ROE) that apply to CAS/air							
	0	0	1	0	0	1	2	5
M02	Determine the commander's intent (AMTP 71-3, Task 71-3-9001; FM 101-5)							
	0	0	0	6	0	0	0	3
M02A	Understand the purpose of the mission							
	0	0	0	3	0	0	0	6
M02B	Understand commander's intent for CAS							
	0	0	0	0	0	1	1	7
M03	S2 prepares Intelligence Estimate (AMTP 71-3, Task 71-3-2001; FM 34-1)							
	1	1	1	6	0	0	0	0
M03A	Perform IPB and identify all available information and intelligence on							
	1	1	3	2	0	0	0	2
M03B	Determine availability of air intelligence assets in addition to normal							
	2	0	2	1	0	0	2	2
M03C	Request continuous flow of combat information from aircraft to S2							
	2	1	0	1	0	1	2	2
M03D	Ensure continuous flow of new intelligence to the Air Liaison Officer							
	4	1	1	1	0	0	0	2
M03E	Request G2 input on deep enemy ADA threat							
	2	0	1	1	0	0	3	2
M03F	Coordinate with TACP if not receiving pilot tactical information							
	3	1	0	1	0	0	2	2
M04	S2 analyze the terrain (AMTP 71-3, Task 71-3-2001, 2003; FM 34-1)							
	1	0	2	6	0	0	0	0
M04A	Determine ground avenues of approach, choke points, and obstacles							
	1	0	1	5	1	0	0	1
M04B	Identify air avenues of approach							
	1	1	3	2	1	0	0	1
M04C	Determine the impact of weather on air operations							
	1	0	2	4	1	0	0	1
M05	S2 analyze the enemy situation (AMTP 71-3, Task 71-3-2001, 2003, 2005; FM							
	1	1	1	5	0	0	0	1
M05A	Determine size, disposition, location, and organization of enemy forces							
	1	0	2	4	0	0	0	2
M05B	Identify current and anticipated enemy ADA capabilities, locations, and							
	1	1	1	4	0	0	0	2

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [INTELLIGENCE] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M05C	Identify potential courses of action							
	1	0	3	3	0	0	0	2
M05D	Determine impact of weather on enemy ADA							
	1	0	3	3	0	0	0	2
M05E	Pass targeting data to S3/FSO							
	1	1	5	0	0	0	0	2
M06	S3/FSO develop/provide friendly situation (AMTP 71-3, Task 71-3-3002,							
	0	0	1	0	0	0	5	3
M06A	Identify and provide location of forward elements, Forward Line of Troops							
	0	0	0	0	0	0	1	8
M06B	Identify location of indirect fire assets, to include artillery, mortars,							
	0	0	0	0	0	0	1	8
M06C	Identify helicopter areas of operation (AO), to include routes, lift, and							
	0	0	0	0	0	0	1	8
M06D	Identify UAV (Unmanned Air Vehicle) AOs							
	0	0	0	0	0	0	1	8
M06E	Determine and provide location of the FSCL (Fire Support Coordination Line)							
	0	0	0	0	0	0	1	8
M06F	Identify Host country fire restrictive measures							
	0	0	0	0	0	0	1	8
M06G	Provide friendly maneuver plan, tactical situation, choke points, trigger							
	0	1	0	0	0	0	0	8
M07	A2C2 element identify or develop air control measures (AMTP 71-3, Task							
	0	0	0	0	0	1	5	3
M07A	Identify area for which the brigade is responsible (vertical, left, and							
	0	0	0	0	0	0	1	8
M07B	Identify users of the airspace and their requirements (army aviation, air							
	0	0	0	0	0	0	1	8
M07C	Identify areas impacting on air operations							
	0	0	0	0	0	0	0	9
M07C1	Aviation unit and FARP locations							
	0	0	0	0	0	1	0	8
M07C2	Artillery locations and planned fires							
	0	0	0	0	0	0	1	8
M07C3	RPV launch and recovery sites and flight paths							
	0	0	0	0	0	0	2	7
M07C4	ADA locations, engagement zones, and coverage							
	0	0	0	0	0	1	0	8
M07C5	Positions of instrument landing systems, navigation aids (NAVAID), flight							
	0	0	0	0	0	0	1	8
M07D	Identify user priorities, restrictions, and control measures							
	0	0	0	0	0	0	1	8
M07D1	Confirm coordinating altitude (from above ground level (AGL))							
	0	0	0	0	0	0	1	8
M07D2	Confirm air ROE							
	0	0	0	0	0	0	1	8

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [INTELLIGENCE] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M07D3	Identify and locate civilian airline routes	0	0	0	0	0	1	8
M07D4	Determine restrictions and constraints such as 'no fly zones'	0	0	0	0	0	1	8
M07E	Identify or designate the following areas:	0	0	0	0	0	1	8
M07E1	High density airspace control zone (HIDACZ)	0	0	0	0	0	1	8
M07E2	Restricted Operations Zones (ROZ)	0	0	0	0	0	1	8
M07E3	Air ingress/egress routes	0	0	0	0	1	0	8
M07E4	Airspace Coordination Areas (ACA)	0	0	0	0	0	1	8
M07E5	Contact Points/Initial Points (CP/IP)	0	0	0	0	0	1	8
M07E6	Helicopter air corridors	0	0	0	0	0	1	8
M07E7	Minimum Risk Routes (MRR)	0	0	0	0	0	1	8
M07E8	Engagement Areas (EAs)	0	0	0	0	1	0	8
M07F	Identify/designate ROZs for air resupply areas/times for both air drop and	0	0	0	0	0	1	8
M08	Determine communication requirements (AMTP 71-3, Task 71-3-1101)	0	0	0	1	0	5	3
M08A	Identify locations which provide continuous communications with ground and	0	0	0	0	0	0	9
M08B	Determine communications requirements with ground forces, air forces, and	0	0	0	0	0	0	9
M08C	Identify ground retransmission requirements	0	0	0	0	0	0	9
M08D	Coordinate with TACP to use AFAC as communications relay, if necessary	0	0	0	0	0	0	9
M09	Establish communications (AMTP 71-3, Task 71-3-1102)	0	0	0	0	0	6	3
M09A	Request air force frequencies (in ATO) and provide to army aviation and	0	0	0	0	0	0	9
M09B	Coordinate for, and ensure distribution of, authentication tables [AKAC	0	0	0	0	0	0	9
M10	Develop Air Defense Artillery control procedures (AMTP 71-3, Task	0	0	0	2	0	4	3
M10A	Coordinate ADA operations through the S3	0	0	0	0	0	1	8
M10B	Identify location and status of ADA units in brigade area	0	0	0	0	0	1	8

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [INTELLIGENCE] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M10C	Identify Air Defense Artillery (ADA) activation procedures (FM early	0	0	0	0	0	1	8
M10D	Maintain current ADA status and identify ADA changes of status/control	0	0	0	0	0	1	8
M10E	Identify air ingress/egress routes	0	0	0	1	0	0	8
M10F	Identify Restrictive Operation Areas (ROAs) and weapons free zones	0	0	0	0	0	1	8
M11	Coordinate Army Aviation employment (AMTP 71-3, Task 71-3-3011, 3012, 7001;	0	1	1	1	0	0	4
M11A	Identify responsibilities, aviation tasks and plans	0	0	0	0	0	2	7
M11B	Identify constraints/limitations in altitude and routes	0	0	0	0	0	2	7
M11C	Determine capabilities, type aircraft, callsigns, communications, and	0	0	0	0	0	2	7
M11D	Identify ROE	0	0	0	0	0	2	7
M11E	Identify engagement areas	0	0	0	0	1	1	7
M11F	Identify critical locations, such as:	0	0	1	0	0	0	8
M11F1	Landing zones	0	1	1	0	0	0	7
M11F2	Forward Arming and Refueling Points (FARP)	0	0	0	0	1	1	7
M11F3	Battle Positions (BPs)	0	0	0	0	1	1	7
M11F4	Aerial observation positions (AOPs)	0	0	0	0	1	1	7
M11G	Identify Joint Air Attack Team (JAAT) specific considerations	0	0	0	0	0	2	7
M11H	Aviation assets are incorporated into priority of fires and JSEAD	0	0	0	0	0	2	7
M12	S2 determine enemy ADA threat (AMTP 71-3, Task 71-3-2003, 2005)	0	0	5	3	1	0	0
M12A	Identify type and capabilities of enemy ADA systems (type munitions and	0	0	4	4	0	0	1
M12B	Determine locations of enemy ADA systems	0	1	5	2	0	0	1
M12C	Determine past and expected activities (movement/remain stationary) of	0	1	5	1	0	0	2
M12D	Pass targeting data to S3/FSO for JSEAD planning	0	2	4	1	0	0	2
M13	Develop fire support plan (AMTP 71-3, Task 71-3-3009, 3012, 9001, 9002; FM	0	0	0	0	0	6	3

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [INTELLIGENCE] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M13A	FSO advises on fire support capabilities, limitations, and coordinating							
	0	0	0	0	0	0	0	9
M13B	ALO is part of the fire support team and advises on air capabilities and							
	0	0	0	0	0	0	0	9
M13C	FSO and ALO coordinate on aircraft availability, munitions, capabilities,							
	0	0	0	0	0	0	0	9
M13D	FSO includes CAS in the fire support execution matrix							
	0	0	0	0	0	0	0	9
M13E	Primary concept for control measures in LIC is to separate artillery and							
	0	0	0	0	0	0	0	9
M13F	Fire support control measures are established							
	0	0	0	0	0	0	0	9
M13F1	Battle positions for army aviation							
	0	0	0	0	0	0	0	9
M13F2	No fire lines (NFL) and azimuth restrictions for artillery/mortars							
	0	0	0	0	0	0	0	9
M13F3	Engagement areas (EAs) identified by terrain features for CAS							
	0	0	0	0	0	0	0	9
M13F4	Other measures, such as FSCL, restrictive fire line (RFL), coordinated fire							
	0	0	0	0	0	0	0	9
M13G	Artillery is positioned to not interfere with airlines of							
	0	0	0	0	0	0	0	9
M13H	Fire support system is prepared to shut down operations for critical CAS							
	0	0	0	0	0	0	0	9
M13I	The following information is identified and maintained:							
	0	0	0	0	0	0	0	9
M13I1	Location of indirect fire assets							
	0	0	0	0	0	0	0	9
M13I1A	Artillery guns							
	0	0	0	0	0	0	0	9
M13I1B	Multiple Launched Rocket Systems							
	0	0	0	0	0	0	0	9
M13I1C	Mortars							
	0	0	0	0	0	0	0	9
M13I2	Capabilities of indirect fire assets							
	0	0	0	0	0	0	0	9
M13I3	Missions, planned targets, and gun-target lines							
	0	0	0	0	0	0	0	9
M13I4	Sequence of engagement							
	0	0	0	0	0	0	0	9
M13I5	Maximum ballistic altitudes							
	0	0	0	0	0	0	0	9
M13I6	Movement sequence (timing and new locations)							
	0	0	0	0	0	0	0	9
M13I7	ACAs							
	0	0	0	0	0	0	0	9

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [INTELLIGENCE] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M13I8	JAAT considerations							
	0	0	0	0	0	0	0	9
M14	Plan JSEAD (Joint Suppression of Enemy Air Defenses) (AMTP 71-3, Task							
	0	1	1	3	0	0	0	4
M14A	S2 identifies enemy ADA system/targets							
	0	1	0	3	2	0	0	3
M14B	Determine ADA target locations							
	0	1	2	1	2	0	0	3
M14C	Determine type of suppression							
	0	0	4	1	0	0	1	3
M14D	Determine type of JSEAD available							
	0	1	2	1	0	1	1	3
M14E	Integrate JSEAD with adjacent units							
	0	1	1	1	0	2	1	3
M15	Analyze targets (AMTP 71-3, Task 71-3-2003, 2006, 3004, 9003, 9004; FM							
	0	0	3	3	0	0	0	3
M15A	S2 identifies enemy locations							
	0	0	4	2	0	0	0	3
M15B	Determine target type, ALO recommends targets for CAS attack							
	1	1	3	0	0	0	1	3
M15C	Determine the best method to defeat enemy targets							
	0	2	2	1	0	0	1	3
M15C1	Determine constraints imposed by munitions available and ROE							
	0	2	1	2	0	0	1	3
M15C2	Match munitions to type targets							
	1	2	0	2	0	0	1	3
M15D	Identify appropriate JSEAD requirements							
	1	2	1	0	0	0	1	4
M15E	Identify necessary suppression measures and appropriate suppression systems							
	1	1	1	0	0	0	2	4
M15F	Identify the impact of weather on air operations and enemy ADA							
	0	1	1	3	0	0	1	3
M15G	Establish engagement criteria							
	0	1	1	0	0	1	3	3
M15H	Determine methods to identify friendly locations							
	0	1	1	0	0	1	3	3
M15I	On receipt of ATO information, ALO/FSO coordinate immediate 12 hour period							
	0	0	0	0	0	1	5	3
M15I1	Number and type of aircraft/munitions							
	0	0	0	0	0	0	5	4
M15I2	Targets appropriate to aircraft and munitions							
	0	0	0	0	0	0	5	4
M16	Determine ground priority targets (AMTP 71-3, Task 71-3-3005)							
	0	1	1	0	0	0	4	3
M16A	S3/FSO establish target priorities							
	0	0	0	0	0	0	0	9

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [INTELLIGENCE] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M16B	ALO recommends priorities for air attack							
	0	0	0	0	0	0	0	9
M16B1	Identify target type							
	0	0	0	0	0	0	0	9
M16B2	Integrate target with threat to friendly forces, determining risk to air							
	0	0	0	0	0	0	0	9
M17	Develop ground scheme of maneuver (AMTP 71-3, Task 71-3-3001, 3002, 3004,							
	0	0	0	0	0	0	6	3
M17A	Identify forward line of troops (FLOT) and/or battle positions (BPs)							
	0	0	0	0	0	0	0	9
M17B	Identify location of elements forward of the FLOT or operating							
	0	0	0	0	0	0	0	9
M17C	Designate methods of marking friendly troop locations (Glint tape, VS-17							
	0	0	0	0	0	0	0	9
M17D	Designate engagement areas (EAs) (designated areas with no friendly troops)							
	0	0	0	0	0	0	0	9
M17E	Establish maneuver restrictions, such as boundaries, axis of advance, and							
	0	0	0	0	0	0	0	9
M17F	Designate other control measures on troop movement or location, as required							
	0	0	0	0	0	0	0	9
M18	Continuously Analyze Intelligence Developments (AMTP 71-3, Task 71-3-2003,							
	1	0	3	3	0	0	0	2
M18A	Integrate strategic and higher echelon information and intelligence from							
	1	0	3	2	0	0	1	2
M18A1	JSTAR							
	1	0	0	0	0	0	7	1
M18A2	U2/TR1							
	1	0	0	0	0	0	7	1
M18A3	Div/Corps G2							
	1	0	3	2	0	0	1	2
M18B	Integrate information and intelligence from own unit's assets, such as:							
	1	0	1	1	0	0	0	6
M18B1	Reconnaissance elements/scout platoon							
	1	0	4	1	0	0	0	3
M18B2	Ground assets/maneuver units							
	1	0	4	1	0	0	0	3
M18B3	Immediate tactical information observed by aircraft in the area							
	2	0	1	3	0	0	0	3
M18B4	Other available assets							
	1	0	3	1	0	0	0	4
M18C	Disseminate targetable information to the FSE							
	1	0	5	0	0	0	0	3
M19	Initiate Close Air Support (CAS) request (AMTP 71-3, Task 71-3-3--4, 3009;							
	0	0	1	0	0	0	5	3
M19A	Request supports ground scheme of maneuver							
	0	0	0	0	0	0	1	8

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY
 MANUEVER [INTELLIGENCE] PLANNING & PREPARATION TASKS, ALL LEVELS
 ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M19B	Request supports fire support plan	0	0	0	0	0	1	8
M19C	Request conforms to intelligence estimate	0	0	1	0	0	0	8
M19D	S3, with ALO advice and assistance, identifies preplanned air requirements	0	0	0	0	0	1	8
M19E	If preplanned, request contains desired air control measures for inclusion	0	0	0	0	0	1	8
M19F	If immediate CAS, S3/ALO ensures request contains information necessary to	0	0	0	0	0	1	8
M20	Determine what air is planned (AMTP 71-3, Task 71-3-3004)	0	0	1	1	0	3	4
M20A	S3 section obtains information from the ALO on planned air sorties in the	0	0	0	0	0	2	7
M20B	Determine type of aircraft, capabilities and munitions	0	0	0	2	0	1	6
M20C	Determine when the aircraft will arrive and how long aircraft will remain	0	0	1	1	0	1	6
M20D	Determine Electronic Warfare (EW) capabilities	0	1	1	1	0	0	6
M20E	Determine projected sortie allocation	0	0	1	0	0	2	6
M21	Determine what air is available (AMTP 71-3, Task 71-3-3004, 3009)	0	0	0	2	0	4	3
M21A	S3 section coordinates with the ALO/TACP to determine the number of air	0	0	0	0	0	0	9
M21B	Based on the ATO and communications with higher, the TACP identifies all	0	0	0	0	0	0	9
M21C	S3 section receives information on:	0	0	0	0	0	0	9
M21C1	Aircraft, capabilities, and munitions	0	0	0	0	0	0	9
M21C2	When and how long aircraft will be available	0	0	0	0	0	0	9
M21C3	EW assets and capabilities	0	0	0	0	0	0	9
M21C4	Air priority of effort in the AO	0	0	0	0	0	0	9
M21C5	Projected tanker support	0	0	0	0	0	0	9
M21C6	Projected Airborne Warning and Control System	0	0	0	0	0	0	9
M21C7	Projected fighter coverage	0	0	0	0	0	0	9
M21C8	Projected suppression coverage, JSEAD and Weasel	0	0	0	0	0	0	9

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [INTELLIGENCE] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M21D	TACP identifies aircraft on the way (2 hours out) and coordinates with							
	0	0	0	0	0	0	0	9
M22	Determine target identification procedures (AMTP 71-3, Task 71-3-9004; FM							
	0	0	0	0	0	0	6	3
M22A	S3/FSO, in conjunction with the ALO/TACP, determine target marking							
	0	0	0	0	0	0	0	9
M22B	Consider the utility of using target marking methods such as laser, smoke,							
	0	0	0	0	0	0	0	9
M22C	Identify easy to locate terrain features							
	0	0	0	0	0	0	0	9
M22D	Ensure distinction between target marking and method for marking friendly							
	0	0	0	0	0	0	0	9
M23	Develop contingency plans (AMTP 71-3, Task 71-3-3009, 9003, 9004; FM 6-20)							
	0	0	0	0	0	0	6	3
M23A	Identify secondary targets for CAS							
	0	0	0	0	0	0	0	9
M23A1	Identify alternate engagement areas							
	0	0	0	0	0	0	0	9
M23A2	Prepare for second echelon engagement							
	0	0	0	0	0	0	0	9
M23B	Identify back-up communications (ie							
	0	0	0	0	0	0	0	9
M23C	Coordinate for emergency control of CAS in event of ALO/ETAC KIA							
	0	0	0	0	0	0	0	9
M23D	Determine FSO/FO ability to control CAS in emergency							
	0	0	0	0	0	0	0	9
M23E	FSO plans alternate means to engage CAS targets							
	0	0	0	0	0	0	0	9
M24	Organize for combat (AMTP 71-3, Task 71-3-3001, 3002)							
	0	0	0	1	0	0	5	3
M24A	Establish chain of command							
	0	0	0	1	0	0	0	8
M24B	Identify locations provide uninterrupted communication with air and ground							
	0	0	0	0	0	0	1	8
M24C	Determine position of Air Liaison Officer within the command group for							
	0	0	0	0	0	0	1	8
M24D	Identify CAS final control authority							
	0	0	0	0	0	0	1	8
M25	Confirm aircraft allocation (AMTP 71-3, Task 71-3-3004, 3009)							
	0	0	0	2	0	0	4	3
M25A	Information on type aircraft, arrival times, munitions, and number of							
	0	0	0	0	0	0	0	9
M26	Integrate CAS with Brigade Synch Matrix (AMTP 71-3, Task 71-3-3004, 3009,							
	1	2	1	0	0	0	1	4
M26A	CAS plan conforms with Decision Support Template							
	4	0	0	0	0	0	0	5

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY
 MANUEVER [INTELLIGENCE] PLANNING & PREPARATION TASKS, ALL LEVELS
 ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M26B	ALO and CAS are integrated into fire support rehearsals							
	0	1	0	0	0	0	0	8
M26C	CAS is synchronized with scheme of maneuver							
	0	0	0	1	0	0	1	7
M26C1	Timing							
	0	0	0	1	0	0	2	6
M26C2	Command or event driven sequence							
	0	0	0	1	0	0	2	6
M26D	CAS is synchronized with fire support plan							
	0	0	1	0	0	0	2	6
M26D1	Timing							
	0	0	0	0	0	0	2	7
M26D2	Command or event driven sequence							
	0	0	0	0	0	0	2	7
M26D3	Targets							
	0	0	1	0	0	0	1	7
M26E	CAS is synchronized with Army Aviation							
	0	0	0	0	0	0	3	6
M26E1	Timing							
	0	0	0	0	0	0	1	6
M26E2	Battle positions							
	0	0	0	0	0	0	1	6
M26E3	Engagement areas							
	0	0	0	0	0	0	1	6
M26F	Plan for continuous CAS missions							
	0	0	0	0	0	0	2	5
M27	Fire Support Element integrates CAS (AMTP 71-3, Task 71-3-3004, 3009, 9002;							
	0	0	0	0	0	0	5	4
M27A	CAS plan is incorporated into the indirect fire plan and included in the							
	0	0	0	0	0	0	0	9
M27A1	Sequence of attack							
	0	0	0	0	0	0	0	9
M27A2	Timing							
	0	0	0	0	0	0	0	9
M27A3	Engagement areas							
	0	0	0	0	0	0	0	9
M27A4	Targets							
	0	0	0	0	0	0	0	9
M27B	Masking of indirect fires is minimized							
	0	0	0	0	0	0	0	9
M27C	CAS target list is appropriate for air engagement							
	0	0	0	0	0	0	0	9
M27D	Identify coordination considerations with Army Aviation							
	0	0	0	0	0	0	0	9
M27E	ALO and CAS are integrated into fire support rehearsals							
	0	0	0	0	0	0	0	7

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY
 MANUEVER [INTELLIGENCE] PLANNING & PREPARATION TASKS, ALL LEVELS
 ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M28	Confirm airspace control measures (AMTP 71-3, Task 71-3-3012, 3013, 6002,							
	0	0	0	0	0	0	5	4
M28A	Review airspace control order (ACO) and identify any changes to initial							
	0	0	0	0	0	0	0	9
M28B	Identify local airspace restrictions for areas, altitude, times, and routes							
	0	0	0	0	0	0	0	9
M28C	Specifically identify ROZs for army aviation operations (FARPs, BPs, etc.)							
	0	0	0	0	0	0	0	9
M28D	Monitor status of airfields and specifically identify ROZs for air routes,							
	0	0	0	0	0	0	0	9
M28E	Specifically identify no fire areas due to ROE or friendly ground force							
	0	0	0	0	0	0	0	9
M28F	Confirm ADA restricted operations areas (ROAs), weapons free zones, and							
	0	0	0	0	0	0	0	9
M29	Confirm communications (AMTP 71-3, Task 71-3-1102)							
	0	0	0	0	0	0	5	4
M29A	Confirm frequencies from ALO/ATO and distribution of frequencies to							
	0	0	0	0	0	0	0	9
M29B	Confirm distribution of proper authentication tables [AKAC 1553] to							
	0	0	0	0	0	0	0	9
M29C	Conduct communications check and confirm communications capability with air							
	0	0	0	0	0	0	0	9
M30	Deconflict airspace (AMTP 71-3, Task 71-3-3012, 3013, 6002, 7001, 9002; FM							
	0	0	0	0	0	0	5	4
M30A	ACO provides for deconfliction of overall airspace into brigade AO							
	0	0	0	0	0	0	0	9
M30B	Within brigade AO, brigade plan minimizes potential fratricide situations							
	0	0	0	0	0	0	0	9
M30C	Brigade plan minimizes the masking of fires for all elements							
	0	0	0	0	0	0	0	9
M30D	Plan provides for reaction to aircraft ingressing and egressing the AO							
	0	0	0	0	0	0	0	9
M30E	Confirm that all the following assets are operating in concert:							
	0	0	0	0	0	0	0	9
M30E1	CAS							
	0	0	0	0	0	0	0	9
M30E2	Helicopters (attack, lift, and scout)							
	0	0	0	0	0	0	0	9
M30E3	Indirect fires (artillery, mortars, and naval gunfire)							
	0	0	0	0	0	0	0	9
M30E4	ADA							
	0	0	0	0	0	0	0	9
M30E5	UAV							
	0	0	0	0	0	0	0	9
M30F	FSO overlays indirect fire asset data (locations, gun target lines, maximum							
	0	0	0	0	0	0	0	9

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [INTELLIGENCE] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M30G	Monitor	planned	and	outgoing	fires			
	0	0	0	0	0	0	0	9

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [AIR DEFENSE] PLANNING & PREPARATION TASKS, ALL LEVELS

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Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M01	Conduct mission analysis (AMTP 71-3, Task 71-3-3001; FM 101-5)							
	0	0	0	1	0	0	8	0
M01A	Determine specified tasks							
	0	0	0	1	0	0	2	6
M01B	Determine implied tasks							
	0	0	0	1	0	0	2	6
M01C	Determine area of operations (sector/zone)							
	0	0	0	1	0	0	2	6
M01D	Determine available time							
	0	0	0	1	0	0	2	6
M01E	Identify specific Rules of Engagement (ROE) that apply to CAS/air							
	0	0	1	0	0	0	2	6
M02	Determine the commander's intent (AMTP 71-3, Task 71-3-9001; FM 101-5)							
	0	0	0	0	0	0	9	0
M02A	Understand the purpose of the mission							
	0	0	0	0	0	0	2	7
M02B	Understand commander's intent for CAS							
	0	0	0	0	0	0	2	7
M03	S2 prepares Intelligence Estimate (AMTP 71-3, Task 71-3-2001; FM 34-1)							
	1	0	0	1	0	0	7	0
M03A	Perform IPB and identify all available information and intelligence on							
	0	0	0	0	0	0	2	7
M03B	Determine availability of air intelligence assets in addition to normal							
	0	0	0	0	0	0	2	7
M03C	Request continuous flow of combat information from aircraft to S2							
	0	0	0	0	0	0	2	7
M03D	Ensure continuous flow of new intelligence to the Air Liaison Officer							
	0	0	0	0	0	0	2	7
M03E	Request G2 input on deep enemy ADA threat							
	1	0	0	1	0	0	2	5
M03F	Coordinate with TACP if not receiving pilot tactical information							
	0	0	0	0	0	0	2	7
M04	S2 analyze the terrain (AMTP 71-3, Task 71-3-2001, 2003; FM 34-1)							
	1	0	0	1	0	0	5	2
M04A	Determine ground avenues of approach, choke points, and obstacles							
	0	0	0	0	0	0	3	6
M04B	Identify air avenues of approach							
	0	0	1	3	0	0	2	3
M04C	Determine the impact of weather on air operations							
	1	0	0	1	0	0	3	4
M05	S2 analyze the enemy situation (AMTP 71-3, Task 71-3-2001, 2003, 2005; FM							
	1	0	0	2	0	0	6	0
M05A	Determine size, disposition, location, and organization of enemy forces							
	0	0	0	0	0	0	2	7
M05B	Identify current and anticipated enemy ADA capabilities, locations, and							
	1	0	0	2	0	0	2	4

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [AIR DEFENSE] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M05C	Identify potential courses of action	0	0	0	0	0	2	7
M05D	Determine impact of weather on enemy ADA	3	0	0	0	0	2	4
M05E	Pass targeting data to S3/FSO	1	0	0	0	0	2	6
M06	S3/FSO develop/provide friendly situation (AMTP 71-3, Task 71-3-3002,	2	0	0	0	0	6	1
M06A	Identify and provide location of forward elements, Forward Line of Troops	2	0	0	0	0	1	6
M06B	Identify location of indirect fire assets, to include artillery, mortars,	0	0	0	0	0	3	6
M06C	Identify helicopter areas of operation (AO), to include routes, lift, and	1	0	0	0	0	2	6
M06D	Identify UAV (Unmanned Air Vehicle) AOs	0	0	0	0	0	3	6
M06E	Determine and provide location of the FSCL (Fire Support Coordination Line)	0	0	0	0	0	3	6
M06F	Identify Host country fire restrictive measures	0	0	0	0	0	3	6
M06G	Provide friendly maneuver plan, tactical situation, choke points, trigger	0	0	0	0	0	3	6
M07	A2C2 element identify or develop air control measures (AMTP 71-3, Task	3	1	1	1	0	1	0
M07A	Identify area for which the brigade is responsible (vertical, left, and	0	1	0	1	0	0	2
M07B	Identify users of the airspace and their requirements (army aviation, air	3	1	2	2	0	0	0
M07C	Identify areas impacting on air operations	0	1	0	0	0	0	0
M07C1	Aviation unit and FARP locations	0	0	0	0	0	3	6
M07C2	Artillery locations and planned fires	0	0	0	0	0	3	6
M07C3	RPV launch and recovery sites and flight paths	1	0	0	0	0	2	6
M07C4	ADA locations, engagement zones, and coverage	3	1	3	1	0	1	0
M07C5	Positions of instrument landing systems, navigation aids (NAVAID), flight	0	0	0	0	0	3	6
M07D	Identify user priorities, restrictions, and control measures	1	0	0	1	0	0	1
M07D1	Confirm coordinating altitude (from above ground level (AGL))	0	0	0	1	0	0	2
M07D2	Confirm air ROE	1	0	0	1	0	1	1

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [AIR DEFENSE] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M07D3	Identify and locate civilian airline routes							
	0	0	0	0	0	0	3	6
M07D4	Determine restrictions and constraints such as 'no fly zones'							
	2	0	0	1	0	0	1	5
M07E	Identify or designate the following areas:							
	1	0	0	0	0	1	1	6
M07E1	High density airspace control zone (HIDACZ)							
	1	0	0	0	0	2	1	5
M07E2	Restricted Operations Zones (ROZ)							
	1	0	0	0	0	1	2	5
M07E3	Air ingress/egress routes							
	1	2	0	1	0	1	0	4
M07E4	Airspace Coordination Areas (ACA)							
	2	0	0	0	0	1	1	5
M07E5	Contact Points/Initial Points (CP/IP)							
	2	0	0	0	0	1	1	5
M07E6	Helicopter air corridors							
	3	0	0	1	0	1	0	4
M07E7	Minimum Risk Routes (MRR)							
	4	2	0	1	0	1	0	1
M07E8	Engagement Areas (EAs)							
	2	0	0	1	0	1	1	4
M07F	Identify/designate ROZs for air resupply areas/times for both air drop and							
	1	0	0	0	0	1	1	6
M08	Determine communication requirements (AMTP 71-3, Task 71-3-1101)							
	0	0	0	0	0	0	9	0
M08A	Identify locations which provide continuous communications with ground and							
	0	0	0	0	0	0	1	8
M08B	Determine communications requirements with ground forces, air forces, and							
	0	0	0	0	0	0	1	8
M08C	Identify ground retransmission requirements							
	0	0	0	0	0	0	1	8
M08D	Coordinate with TACP to use AFAC as communications relay, if necessary							
	0	0	0	0	0	0	1	8
M09	Establish communications (AMTP 71-3, Task 71-3-1102)							
	0	0	0	0	0	0	9	0
M09A	Request air force frequencies (in ATO) and provide to army aviation and							
	0	0	0	0	0	0	1	8
M09B	Coordinate for, and ensure distribution of, authentication tables [AKAC							
	0	0	0	0	0	0	1	8
M10	Develop Air Defense Artillery control procedures (AMTP 71-3, Task							
	0	2	3	3	0	0	0	1
M10A	Coordinate ADA operations through the S3							
	0	1	0	7	0	0	0	1
M10B	Identify location and status of ADA units in brigade area							
	1	3	3	2	0	0	0	0

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [AIR DEFENSE] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M10C	Identify Air Defense Artillery (ADA) activation procedures (FM early	1	3	1	4	0	0	0
M10D	Maintain current ADA status and identify ADA changes of status/control	1	3	1	3	0	1	0
M10E	Identify air ingress/egress routes	3	1	1	4	0	0	0
M10F	Identify Restrictive Operation Areas (ROAs) and weapons free zones	4	0	0	1	0	2	0
M11	Coordinate Army Aviation employment (AMTP 71-3, Task 71-3-3011, 3012, 7001;	1	0	0	0	0	8	0
M11A	Identify responsibilities, aviation tasks and plans	0	0	0	0	0	3	6
M11B	Identify constraints/limitations in altitude and routes	1	0	0	0	0	3	5
M11C	Determine capabilities, type aircraft, callsigns, communications, and	0	0	0	0	0	3	6
M11D	Identify ROE	0	0	0	0	0	3	6
M11E	Identify engagement areas	0	0	0	0	0	3	6
M11F	Identify critical locations, such as:	0	0	0	0	0	3	6
M11F1	Landing zones	0	0	0	0	0	3	6
M11F2	Forward Arming and Refueling Points (FARP)	0	0	0	0	0	3	6
M11F3	Battle Positions (BPs)	0	0	0	0	0	3	6
M11F4	Aerial observation positions (AOPs)	0	0	0	0	0	3	6
M11G	Identify Joint Air Attack Team (JAAT) specific considerations	0	0	0	0	0	3	6
M11H	Aviation assets are incorporated into priority of fires and JSEAD	0	0	0	0	0	3	6
M12	S2 determine enemy ADA threat (AMTP 71-3, Task 71-3-2003, 2005)	1	1	1	2	0	4	0
M12A	Identify type and capabilities of enemy ADA systems (type munitions and	0	1	1	2	0	2	3
M12B	Determine locations of enemy ADA systems	1	0	1	2	0	2	3
M12C	Determine past and expected activities (movement/remain stationary) of	0	1	0	2	0	2	4
M12D	Pass targeting data to S3/FSO for JSEAD planning	1	1	0	1	0	2	4
M13	Develop fire support plan (AMTP 71-3, Task 71-3-3009, 3012, 9001, 9002; FM	0	0	0	0	0	9	0

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [AIR DEFENSE] PLANNING & PREPARATION TASKS, ALL LEVELS

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Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M13A	FSO advises on fire support capabilities, limitations, and coordinating							
	0	0	0	0	0	0	3	6
M13B	ALO is part of the fire support team and advises on air capabilities and							
	0	0	0	0	0	0	3	6
M13C	FSO and ALO coordinate on aircraft availability, munitions, capabilities,							
	0	0	0	0	0	0	3	6
M13D	FSO includes CAS in the fire support execution matrix							
	0	0	0	0	0	0	3	6
M13E	Primary concept for control measures in LIC is to separate artillery and							
	0	0	0	0	0	0	3	6
M13F	Fire support control measures are established							
	0	0	0	0	0	0	3	6
M13F1	Battle positions for army aviation							
	0	0	0	0	0	0	3	6
M13F2	No fire lines (NFL) and azimuth restrictions for artillery/mortars							
	0	0	0	0	0	0	3	6
M13F3	Engagement areas (EAs) identified by terrain features for CAS							
	0	0	0	0	0	0	3	6
M13F4	Other measures, such as FSCL, restrictive fire line (RFL), coordinated fire							
	0	0	0	0	0	0	3	6
M13G	Artillery is positioned to not interfere with airlines of							
	0	0	0	0	0	0	3	6
M13H	Fire support system is prepared to shut down operations for critical CAS							
	0	0	0	0	0	0	3	6
M13I	The following information is identified and maintained:							
	0	0	0	0	0	0	3	6
M13I1	Location of indirect fire assets							
	0	0	0	0	0	0	3	6
M13I1A	Artillery guns							
	0	0	0	0	0	0	3	6
M13I1B	Multiple Launched Rocket Systems							
	0	0	0	0	0	0	3	6
M13I1C	Mortars							
	0	0	0	0	0	0	3	6
M13I2	Capabilities of indirect fire assets							
	0	0	0	0	0	0	3	6
M13I3	Missions, planned targets, and gun-target lines							
	0	0	0	0	0	0	3	6
M13I4	Sequence of engagement							
	0	0	0	0	0	0	3	6
M13I5	Maximum ballistic altitudes							
	0	0	0	0	0	0	3	6
M13I6	Movement sequence (timing and new locations)							
	0	0	0	0	0	0	3	6
M13I7	ACAs							
	0	0	0	0	0	0	3	6

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [AIR DEFENSE] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M13I8	JAAT considerations	0	0	0	0	0	3	6
M14	Plan JSEAD (Joint Suppression of Enemy Air Defenses) (AMTP 71-3, Task	2	0	1	1	0	4	0
M14A	S2 identifies enemy ADA system/targets	1	0	0	2	0	2	3
M14B	Determine ADA target locations	2	0	0	2	0	1	3
M14C	Determine type of suppression	1	0	0	0	0	2	5
M14D	Determine type of JSEAD available	1	0	0	0	0	2	5
M14E	Integrate JSEAD with adjacent units	2	0	0	0	0	1	5
M15	Analyze targets (AMTP 71-3, Task 71-3-2003, 2006, 3004, 9003, 9004; FM	1	0	0	1	0	0	7
M15A	S2 identifies enemy locations	0	0	0	1	0	0	3
M15B	Determine target type, ALO recommends targets for CAS attack	0	0	0	0	0	0	3
M15C	Determine the best method to defeat enemy targets	0	0	0	0	0	0	3
M15C1	Determine constraints imposed by munitions available and ROE	0	0	0	0	0	0	3
M15C2	Match munitions to type targets	0	0	0	0	0	0	3
M15D	Identify appropriate JSEAD requirements	0	0	0	0	0	0	3
M15E	Identify necessary suppression measures and appropriate suppression systems	0	0	0	0	0	0	3
M15F	Identify the impact of weather on air operations and enemy ADA	1	0	0	1	0	0	3
M15G	Establish engagement criteria	0	0	0	0	0	0	3
M15H	Determine methods to identify friendly locations	0	0	0	0	0	0	3
M15I	On receipt of ATO information, ALO/FSO coordinate immediate 12 hour period	0	0	0	0	0	0	3
M15I1	Number and type of aircraft/munitions	0	0	0	0	0	0	3
M15I2	Targets appropriate to aircraft and munitions	0	0	0	0	0	0	3
M16	Determine ground priority targets (AMTP 71-3, Task 71-3-3005)	0	0	0	0	0	0	9
M16A	S3/FSO establish target priorities	0	0	0	0	0	0	3

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [AIR DEFENSE] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M16B	ALO recommends priorities for air attack							
	0	0	0	0	0	0	3	6
M16B1	Identify target type							
	0	0	0	0	0	0	3	6
M16B2	Integrate target with threat to friendly forces, determining risk to air							
	0	0	0	0	0	0	3	6
M17	Develop ground scheme of maneuver (AMTP 71-3, Task 71-3-3001, 3002, 3004,							
	1	0	0	0	0	0	8	0
M17A	Identify forward line of troops (FLOT) and/or battle positions (BPs)							
	1	0	0	0	0	0	2	6
M17B	Identify location of elements forward of the FLOT or operating							
	1	0	0	0	0	0	2	6
M17C	Designate methods of marking friendly troop locations (Glint tape, VS-17							
	0	0	0	0	0	0	3	6
M17D	Designate engagement areas (EAs) (designated areas with no friendly troops)							
	0	0	0	0	0	0	3	6
M17E	Establish maneuver restrictions, such as boundaries, axis of advance, and							
	0	0	0	0	0	0	3	6
M17F	Designate other control measures on troop movement or location, as required							
	1	0	0	0	0	0	2	6
M18	Continuously Analyze Intelligence Developments (AMTP 71-3, Task 71-3-2003,							
	0	0	0	0	0	0	9	0
M18A	Integrate strategic and higher echelon information and intelligence from							
	0	0	0	0	0	0	3	6
M18A1	JSTAR							
	0	0	0	0	0	0	3	6
M18A2	U2/TR1							
	0	0	0	0	0	0	3	6
M18A3	Div/Corps G2							
	0	0	0	0	0	0	3	6
M18B	Integrate information and intelligence from own unit's assets, such as:							
	0	0	0	0	0	0	3	6
M18B1	Reconnaissance elements/scout platoon							
	0	0	0	0	0	0	3	6
M18B2	Ground assets/maneuver units							
	0	0	0	0	0	0	3	6
M18B3	Immediate tactical information observed by aircraft in the area							
	0	0	0	0	0	0	3	6
M18B4	Other available assets							
	0	0	0	0	0	0	3	6
M18C	Disseminate targetable information to the FSE							
	0	0	0	0	0	0	3	6
M19	Initiate Close Air Support (CAS) request (AMTP 71-3, Task 71-3-3--4, 3009;							
	0	0	0	0	0	0	9	0
M19A	Request supports ground scheme of maneuver							
	0	0	0	0	0	0	3	6

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [AIR DEFENSE] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M19B	Request supports fire support plan							
	0	0	0	0	0	0	3	6
M19C	Request conforms to intelligence estimate							
	0	0	0	0	0	0	3	6
M19D	S3, with ALO advice and assistance, identifies preplanned air requirements							
	0	0	0	0	0	0	3	6
M19E	If preplanned, request contains desired air control measures for inclusion							
	0	0	0	0	0	0	3	6
M19F	If immediate CAS, S3/ALO ensures request contains information necessary to							
	0	0	0	0	0	0	3	6
M20	Determine what air is planned (AMTP 71-3, Task 71-3-3004)							
	2	1	0	0	0	0	6	0
M20A	S3 section obtains information from the ALO on planned air sorties in the							
	1	1	0	0	0	0	1	6
M20B	Determine type of aircraft, capabilities and munitions							
	1	1	0	0	0	0	1	6
M20C	Determine when the aircraft will arrive and how long aircraft will remain							
	1	1	0	0	0	0	1	6
M20D	Determine Electronic Warfare (EW) capabilities							
	0	1	0	0	0	0	2	6
M20E	Determine projected sortie allocation							
	1	1	0	0	0	0	1	6
M21	Determine what air is available (AMTP 71-3, Task 71-3-3004, 3009)							
	1	1	0	0	0	0	7	0
M21A	S3 section coordinates with the ALO/TACP to determine the number of air							
	1	0	0	0	0	1	1	6
M21B	Based on the ATO and communications with higher, the TACP identifies all							
	0	0	0	0	0	0	3	6
M21C	S3 section receives information on:							
	0	1	0	0	0	0	1	7
M21C1	Aircraft, capabilities, and munitions							
	1	0	0	0	0	0	2	6
M21C2	When and how long aircraft will be available							
	1	1	0	0	0	0	1	6
M21C3	EW assets and capabilities							
	1	0	0	0	0	0	2	6
M21C4	Air priority of effort in the AO							
	0	0	0	0	0	0	3	6
M21C5	Projected tanker support							
	0	0	0	0	0	0	3	6
M21C6	Projected Airborne Warning and Control System							
	1	0	0	0	0	0	2	6
M21C7	Projected fighter coverage							
	1	0	0	0	0	0	2	6
M21C8	Projected suppression coverage, JSEAD and Weasel							
	0	0	0	0	0	0	3	6

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MANUEVER [AIR DEFENSE] PLANNING & PREPARATION TASKS, ALL LEVELS

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Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M21D	TACP identifies aircraft on the way (2 hours out) and coordinates with							
	1	1	0	0	0	0	1	6
M22	Determine target identification procedures (AMTP 71-3, Task 71-3-9004; FM							
	0	0	0	0	0	0	9	0
M22A	S3/FSO, in conjunction with the ALO/TACP, determine target marking							
	0	0	0	0	0	0	3	6
M22B	Consider the utility of using target marking methods such as laser, smoke,							
	0	0	0	0	0	0	3	6
M22C	Identify easy to locate terrain features							
	0	0	0	0	0	0	3	6
M22D	Ensure distinction between target marking and method for marking friendly							
	0	0	0	0	0	0	3	6
M23	Develop contingency plans (AMTP 71-3, Task 71-3-3009, 9003, 9004; FM 6-20)							
	0	0	0	0	0	0	9	0
M23A	Identify secondary targets for CAS							
	0	0	0	0	0	0	3	6
M23A1	Identify alternate engagement areas							
	0	0	0	0	0	0	3	6
M23A2	Prepare for second echelon engagement							
	0	0	0	0	0	0	3	6
M23B	Identify back-up communications (ie							
	0	0	0	0	0	0	3	6
M23C	Coordinate for emergency control of CAS in event of ALO/ETAC KIA							
	0	0	0	0	0	0	3	6
M23D	Determine FSO/FO ability to control CAS in emergency							
	0	0	0	0	0	0	3	6
M23E	FSO plans alternate means to engage CAS targets							
	0	0	0	0	0	0	3	6
M24	Organize for combat (AMTP 71-3, Task 71-3-3001, 3002)							
	0	0	0	0	0	0	9	0
M24A	Establish chain of command							
	0	0	0	0	0	0	3	6
M24B	Identify locations provide uninterrupted communication with air and ground							
	0	0	0	0	0	0	3	6
M24C	Determine position of Air Liaison Officer within the command group for							
	0	0	0	0	0	0	3	6
M24D	Identify CAS final control authority							
	0	0	0	0	0	0	3	6
M25	Confirm aircraft allocation (AMTP 71-3, Task 71-3-3004, 3009)							
	1	0	0	0	0	0	7	1
M25A	Information on type aircraft, arrival times, munitions, and number of							
	1	0	0	0	0	0	1	7
M26	Integrate CAS with Brigade Synch Matrix (AMTP 71-3, Task 71-3-3004, 3009,							
	0	0	0	0	0	0	9	0
M26A	CAS plan conforms with Decision Support Template							
	0	0	0	0	0	0	3	6

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MANUEVER [AIR DEFENSE] PLANNING & PREPARATION TASKS, ALL LEVELS

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Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M26B	ALO and CAS are integrated into fire support rehearsals							
	0	0	0	0	0	0	1	8
M26C	CAS is synchronized with scheme of maneuver							
	0	0	0	0	0	0	3	6
M26C1	Timing							
	0	0	0	0	0	0	3	6
M26C2	Command or event driven sequence							
	0	0	0	0	0	0	3	6
M26D	CAS is synchronized with fire support plan							
	0	0	0	0	0	0	3	6
M26D1	Timing							
	0	0	0	0	0	0	3	6
M26D2	Command or event driven sequence							
	0	0	0	0	0	0	3	6
M26D3	Targets							
	0	0	0	0	0	0	3	6
M26E	CAS is synchronized with Army Aviation							
	0	0	0	0	0	0	3	6
M26E1	Timing							
	0	0	0	0	0	0	3	6
M26E2	Battle positions							
	0	0	0	0	0	0	3	6
M26E3	Engagement areas							
	0	0	0	0	0	0	3	6
M26F	Plan for continuous CAS missions							
	0	0	0	0	0	0	3	6
M27	Fire Support Element integrates CAS (AMTP 71-3, Task 71-3-3004, 3009, 9002;							
	0	0	0	0	0	0	9	0
M27A	CAS plan is incorporated into the indirect fire plan and included in the							
	0	0	0	0	0	0	2	7
M27A1	Sequence of attack							
	0	0	0	0	0	0	2	7
M27A2	Timing							
	0	0	0	0	0	0	2	7
M27A3	Engagement areas							
	0	0	0	0	0	0	2	7
M27A4	Targets							
	0	0	0	0	0	0	2	7
M27B	Masking of indirect fires is minimized							
	0	0	0	0	0	0	2	7
M27C	CAS target list is appropriate for air engagement							
	0	0	0	0	0	0	2	7
M27D	Identify coordination considerations with Army Aviation							
	0	0	0	0	0	0	2	7
M27E	ALO and CAS are integrated into fire support rehearsals							
	0	0	0	0	0	0	0	9

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MANUEVER [AIR DEFENSE] PLANNING & PREPARATION TASKS, ALL LEVELS

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Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M28	Confirm airspace control measures (AMTP 71-3, Task 71-3-3012, 3013, 6002,							
	4	1	1	0	0	0	2	1
M28A	Review airspace control order (ACO) and identify any changes to initial							
	4	0	1	2	0	0	1	1
M28B	Identify local airspace restrictions for areas, altitude, times, and routes							
	1	0	1	0	0	0	1	6
M28C	Specifically identify ROZs for army aviation operations (FARPs, BPs, etc.)							
	1	0	0	0	0	1	1	6
M28D	Monitor status of airfields and specifically identify ROZs for air routes,							
	1	0	0	0	0	1	1	6
M28E	Specifically identify no fire areas due to ROE or friendly ground force							
	0	0	0	0	0	1	2	6
M28F	Confirm ADA restricted operations areas (ROAs), weapons free zones, and							
	4	1	1	0	0	0	1	2
M29	Confirm communications (AMTP 71-3, Task 71-3-1102)							
	1	0	0	0	0	0	8	0
M29A	Confirm frequencies from ALO/ATO and distribution of frequencies to							
	1	0	0	0	0	0	1	7
M29B	Confirm distribution of proper authentication tables [AKAC 1553] to							
	1	0	0	0	0	0	1	7
M29C	Conduct communications check and confirm communications capability with air							
	1	0	0	0	0	0	1	7
M30	Deconflict airspace (AMTP 71-3, Task 71-3-3012, 3013, 6002, 7001, 9002; FM							
	3	0	1	0	0	0	3	2
M30A	ACO provides for deconfliction of overall airspace into brigade AO							
	0	0	0	2	0	0	2	5
M30B	Within brigade AO, brigade plan minimizes potential fratricide situations							
	0	0	1	1	0	0	2	5
M30C	Brigade plan minimizes the masking of fires for all elements							
	0	0	0	0	0	0	2	7
M30D	Plan provides for reaction to aircraft ingressing and egressing the AO							
	0	0	0	0	0	0	2	7
M30E	Confirm that all the following assets are operating in concert:							
	0	0	0	0	0	0	2	7
M30E1	CAS							
	0	0	0	0	0	0	2	7
M30E2	Helicopters (attack, lift, and scout)							
	0	0	0	0	0	0	2	7
M30E3	Indirect fires (artillery, mortars, and naval gunfire)							
	0	0	0	0	0	0	2	7
M30E4	ADA							
	3	1	1	0	0	0	2	2
M30E5	UAV							
	0	0	0	0	0	0	2	7
M30F	FSO overlays indirect fire asset data (locations, gun target lines, maximum							
	1	0	0	0	0	0	2	6

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [AIR DEFENSE] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M30G	Monitor planned and outgoing fires							
	0	0	0	0	0	0	2	7

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [SIGNAL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M01	Conduct mission analysis (AMTP 71-3, Task 71-3-3001; FM 101-5)							
	0	0	0	1	0	1	3	4
M01A	Determine specified tasks							
	0	0	0	3	0	0	0	6
M01B	Determine implied tasks							
	0	0	1	2	0	0	0	6
M01C	Determine area of operations (sector/zone)							
	0	0	0	3	0	0	0	6
M01D	Determine available time							
	0	0	0	3	0	0	0	6
M01E	Identify specific Rules of Engagement (ROE) that apply to CAS/air							
	0	0	0	3	0	0	0	6
M02	Determine the commander's intent (AMTP 71-3, Task 71-3-9001; FM 101-5)							
	0	0	0	2	0	1	3	3
M02A	Understand the purpose of the mission							
	0	0	0	3	0	0	0	6
M02B	Understand commander's intent for CAS							
	0	0	1	2	0	0	0	6
M03	S2 prepares Intelligence Estimate (AMTP 71-3, Task 71-3-2001; FM 34-1)							
	0	0	0	0	0	1	4	4
M03A	Perform IPB and identify all available information and intelligence on							
	0	0	0	0	0	0	0	9
M03B	Determine availability of air intelligence assets in addition to normal							
	0	0	0	0	0	0	0	9
M03C	Request continuous flow of combat information from aircraft to S2							
	0	0	0	0	0	0	0	9
M03D	Ensure continuous flow of new intelligence to the Air Liaison Officer							
	0	0	0	0	0	0	0	9
M03E	Request G2 input on deep enemy ADA threat							
	0	0	0	0	0	0	0	9
M03F	Coordinate with TACP if not receiving pilot tactical information							
	0	0	0	0	0	0	0	9
M04	S2 analyze the terrain (AMTP 71-3, Task 71-3-2001, 2003; FM 34-1)							
	0	0	0	0	0	1	4	4
M04A	Determine ground avenues of approach, choke points, and obstacles							
	0	0	0	0	0	0	0	9
M04B	Identify air avenues of approach							
	0	0	0	0	0	0	0	9
M04C	Determine the impact of weather on air operations							
	0	0	0	0	0	0	0	9
M05	S2 analyze the enemy situation (AMTP 71-3, Task 71-3-2001, 2003, 2005; FM							
	0	0	0	0	0	1	4	4
M05A	Determine size, disposition, location, and organization of enemy forces							
	0	0	0	0	0	0	0	9
M05B	Identify current and anticipated enemy ADA capabilities, locations, and							
	0	0	0	0	0	0	0	9

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [SIGNAL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M05C	Identify potential courses of action	0	0	0	0	0	0	9
M05D	Determine impact of weather on enemy ADA	0	0	0	0	0	0	9
M05E	Pass targeting data to S3/FSO	0	0	0	0	0	0	9
M06	S3/FSO develop/provide friendly situation (AMTP 71-3, Task 71-3-3002,	0	0	0	0	1	4	4
M06A	Identify and provide location of forward elements, Forward Line of Troops	0	0	0	0	0	0	9
M06B	Identify location of indirect fire assets, to include artillery, mortars,	0	0	0	0	0	0	9
M06C	Identify helicopter areas of operation (AO), to include routes, lift, and	0	0	0	0	0	0	9
M06D	Identify UAV (Unmanned Air Vehicle) AOs	0	0	0	0	0	0	9
M06E	Determine and provide location of the FSCL (Fire Support Coordination Line)	0	0	0	0	0	0	9
M06F	Identify Host country fire restrictive measures	0	0	0	0	0	0	9
M06G	Provide friendly maneuver plan, tactical situation, choke points, trigger	0	0	0	0	0	0	9
M07	A2C2 element identify or develop air control measures (AMTP 71-3, Task	0	0	1	0	0	4	4
M07A	Identify area for which the brigade is responsible (vertical, left, and	0	0	0	0	0	0	9
M07B	Identify users of the airspace and their requirements (army aviation, air	0	0	0	0	0	0	9
M07C	Identify areas impacting on air operations	0	0	0	0	0	0	9
M07C1	Aviation unit and FARP locations	0	0	0	0	0	0	9
M07C2	Artillery locations and planned fires	0	0	0	0	0	0	9
M07C3	RPV launch and recovery sites and flight paths	0	0	0	0	0	0	9
M07C4	ADA locations, engagement zones, and coverage	0	0	0	0	0	0	9
M07C5	Positions of instrument landing systems, navigation aids (NAVAID), flight	0	0	0	0	0	0	9
M07D	Identify user priorities, restrictions, and control measures	0	0	0	0	0	0	9
M07D1	Confirm coordinating altitude (from above ground level (AGL))	0	0	0	0	0	0	9
M07D2	Confirm air ROE	0	0	0	0	0	0	9

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [SIGNAL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M07D3	Identify and locate civilian airline routes	0	0	0	0	0	0	9
M07D4	Determine restrictions and constraints such as 'no fly zones'	0	0	0	0	0	0	9
M07E	Identify or designate the following areas:	0	0	0	0	0	0	9
M07E1	High density airspace control zone (HIDACZ)	0	0	0	0	0	0	9
M07E2	Restricted Operations Zones (ROZ)	0	0	0	0	0	0	9
M07E3	Air ingress/egress routes	0	0	0	0	0	0	9
M07E4	Airspace Coordination Areas (ACA)	0	0	0	0	0	0	9
M07E5	Contact Points/Initial Points (CP/IP)	0	0	0	0	0	0	9
M07E6	Helicopter air corridors	0	0	0	0	0	0	9
M07E7	Minimum Risk Routes (MRR)	0	0	0	0	0	0	9
M07E8	Engagement Areas (EAs)	0	0	0	0	0	0	9
M07F	Identify/designate ROZs for air resupply areas/times for both air drop and	0	0	0	0	0	0	9
M08	Determine communication requirements (AMTP 71-3, Task 71-3-1101)	3	0	2	1	0	0	3
M08A	Identify locations which provide continuous communications with ground and	1	0	2	3	0	1	2
M08B	Determine communications requirements with ground forces, air forces, and	2	1	2	0	0	2	2
M08C	Identify ground retransmission requirements	1	0	2	0	0	1	3
M08D	Coordinate with TACP to use AFAC as communications relay, if necessary	2	0	2	1	0	1	1
M09	Establish communications (AMTP 71-3, Task 71-3-1102)	3	0	1	0	0	0	1
M09A	Request air force frequencies (in ATO) and provide to army aviation and	1	0	2	0	0	0	3
M09B	Coordinate for, and ensure distribution of, authentication tables [AKAC	1	0	2	1	0	0	2
M10	Develop Air Defense Artillery control procedures (AMTP 71-3, Task	0	0	0	0	0	1	4
M10A	Coordinate ADA operations through the S3	0	0	0	0	0	0	9
M10B	Identify location and status of ADA units in brigade area	0	0	0	0	0	0	9

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [SIGNAL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M10C	Identify Air Defense Artillery (ADA) activation procedures (FM early)							
	0	0	0	0	0	0	0	9
M10D	Maintain current ADA status and identify ADA changes of status/control							
	0	0	0	0	0	0	0	9
M10E	Identify air ingress/egress routes							
	0	0	0	0	0	0	0	9
M10F	Identify Restrictive Operation Areas (ROAs) and weapons free zones							
	0	0	0	0	0	0	0	9
M11	Coordinate Army Aviation employment (AMTP 71-3, Task 71-3-3011, 3012, 7001;							
	0	0	0	0	0	1	4	4
M11A	Identify responsibilities, aviation tasks and plans							
	0	0	0	0	0	0	0	9
M11B	Identify constraints/limitations in altitude and routes							
	0	0	0	0	0	0	0	9
M11C	Determine capabilities, type aircraft, callsigns, communications, and							
	0	0	0	0	0	0	0	9
M11D	Identify ROE							
	0	0	0	0	0	0	0	9
M11E	Identify engagement areas							
	0	0	0	0	0	0	0	9
M11F	Identify critical locations, such as:							
	0	0	0	0	0	0	0	9
M11F1	Landing zones							
	0	0	0	0	0	0	0	9
M11F2	Forward Arming and Refueling Points (FARP)							
	0	0	0	0	0	0	0	9
M11F3	Battle Positions (BPs)							
	0	0	0	0	0	0	0	9
M11F4	Aerial observation positions (AOPs)							
	0	0	0	0	0	0	0	9
M11G	Identify Joint Air Attack Team (JAAT) specific considerations							
	0	0	0	0	0	0	0	9
M11H	Aviation assets are incorporated into priority of fires and JSEAD							
	0	0	0	0	0	0	0	9
M12	S2 determine enemy ADA threat (AMTP 71-3, Task 71-3-2003, 2005)							
	0	0	0	0	0	1	3	5
M12A	Identify type and capabilities of enemy ADA systems (type munitions and							
	0	0	0	0	0	0	0	9
M12B	Determine locations of enemy ADA systems							
	0	0	0	0	0	0	0	9
M12C	Determine past and expected activities (movement/remain stationary) of							
	0	0	0	0	0	0	0	9
M12D	Pass targeting data to S3/FSO for JSEAD planning							
	0	0	0	0	0	0	0	9
M13	Develop fire support plan (AMTP 71-3, Task 71-3-3009, 3012, 9001, 9002; FM							
	0	0	0	0	0	1	4	4

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [SIGNAL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M13A	FSO advises on fire support capabilities, limitations, and coordinating							
	0	0	0	0	0	0	0	9
M13B	ALO is part of the fire support team and advises on air capabilities and							
	0	0	0	0	0	0	0	9
M13C	FSO and ALO coordinate on aircraft availability, munitions, capabilities,							
	0	0	0	0	0	0	0	9
M13D	FSO includes CAS in the fire support execution matrix							
	0	0	0	0	0	0	0	9
M13E	Primary concept for control measures in LIC is to separate artillery and							
	0	0	0	0	0	0	0	9
M13F	Fire support control measures are established							
	0	0	0	0	0	0	0	9
M13F1	Battle positions for army aviation							
	0	0	0	0	0	0	0	9
M13F2	No fire lines (NFL) and azimuth restrictions for artillery/mortars							
	0	0	0	0	0	0	0	9
M13F3	Engagement areas (EAs) identified by terrain features for CAS							
	0	0	0	0	0	0	0	9
M13F4	Other measures, such as FSCL, restrictive fire line (RFL), coordinated fire							
	0	0	0	0	0	0	0	9
M13G	Artillery is positioned to not interfere with airlines of							
	0	0	0	0	0	0	0	9
M13H	Fire support system is prepared to shut down operations for critical CAS							
	0	0	0	0	0	0	0	9
M13I	The following information is identified and maintained:							
	0	0	0	0	0	0	0	9
M13I1	Location of indirect fire assets							
	0	0	0	0	0	0	0	9
M13I1A	Artillery guns							
	0	0	0	0	0	0	0	9
M13I1B	Multiple Launched Rocket Systems							
	0	0	0	0	0	0	0	9
M13I1C	Mortars							
	0	0	0	0	0	0	0	9
M13I2	Capabilities of indirect fire assets							
	0	0	0	0	0	0	0	9
M13I3	Missions, planned targets, and gun-target lines							
	0	0	0	0	0	0	0	9
M13I4	Sequence of engagement							
	0	0	0	0	0	0	0	9
M13I5	Maximum ballistic altitudes							
	0	0	0	0	0	0	0	9
M13I6	Movement sequence (timing and new locations)							
	0	0	0	0	0	0	0	9
M13I7	ACAs							
	0	0	0	0	0	0	0	9

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [SIGNAL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M13I8	JAAT considerations							
	0	0	0	0	0	0	0	9
M14	Plan JSEAD (Joint Suppression of Enemy Air Defenses) (AMTP 71-3, Task							
	0	0	0	0	0	1	4	4
M14A	S2 identifies enemy ADA system/targets							
	0	0	0	0	0	0	0	9
M14B	Determine ADA target locations							
	0	0	0	0	0	0	0	9
M14C	Determine type of suppression							
	0	0	0	0	0	0	0	9
M14D	Determine type of JSEAD available							
	0	0	0	0	0	0	0	9
M14E	Integrate JSEAD with adjacent units							
	0	0	0	0	0	0	0	9
M15	Analyze targets (AMTP 71-3, Task 71-3-2003, 2006, 3004, 9003, 9004; FM							
	0	0	0	0	0	1	4	4
M15A	S2 identifies enemy locations							
	0	0	0	0	0	0	0	9
M15B	Determine target type, ALO recommends targets for CAS attack							
	0	0	0	0	0	0	0	9
M15C	Determine the best method to defeat enemy targets							
	0	0	0	0	0	0	0	9
M15C1	Determine constraints imposed by munitions available and ROE							
	0	0	0	0	0	0	0	9
M15C2	Match munitions to type targets							
	0	0	0	0	0	0	0	9
M15D	Identify appropriate JSEAD requirements							
	0	0	0	0	0	0	0	9
M15E	Identify necessary suppression measures and appropriate suppression systems							
	0	0	0	0	0	0	0	9
M15F	Identify the impact of weather on air operations and enemy ADA							
	0	0	0	0	0	0	0	9
M15G	Establish engagement criteria							
	0	0	0	0	0	0	0	9
M15H	Determine methods to identify friendly locations							
	0	0	0	0	0	0	0	9
M15I	On receipt of ATO information, ALO/FSO coordinate immediate 12 hour period							
	0	0	0	0	0	0	0	9
M15I1	Number and type of aircraft/munitions							
	0	0	0	0	0	0	0	9
M15I2	Targets appropriate to aircraft and munitions							
	0	0	0	0	0	0	0	9
M16	Determine ground priority targets (AMTP 71-3, Task 71-3-3005)							
	0	0	0	0	0	1	3	5
M16A	S3/FSO establish target priorities							
	0	0	0	0	0	0	0	9

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [SIGNAL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M16B	ALO recommends priorities for air attack							
	0	0	0	0	0	0	0	9
M16B1	Identify target type							
	0	0	0	0	0	0	0	9
M16B2	Integrate target with threat to friendly forces, determining risk to air							
	0	0	0	0	0	0	0	9
M17	Develop ground scheme of maneuver (AMTP 71-3, Task 71-3-3001, 3002, 3004,							
	0	0	0	0	0	1	4	4
M17A	Identify forward line of troops (FLOT) and/or battle positions (BPs)							
	0	0	0	0	0	0	0	9
M17B	Identify location of elements forward of the FLOT or operating							
	0	0	0	0	0	0	0	9
M17C	Designate methods of marking friendly troop locations (Glint tape, VS-17							
	0	0	0	0	0	0	0	9
M17D	Designate engagement areas (EAs) (designated areas with no friendly troops)							
	0	0	0	0	0	0	0	9
M17E	Establish maneuver restrictions, such as boundaries, axis of advance, and							
	0	0	0	0	0	0	0	9
M17F	Designate other control measures on troop movement or location, as required							
	0	0	0	0	0	0	0	9
M18	Continuously Analyze Intelligence Developments (AMTP 71-3, Task 71-3-2003,							
	0	0	0	0	0	1	4	4
M18A	Integrate strategic and higher echelon information and intelligence from							
	0	0	0	0	0	0	0	9
M18A1	JSTAR							
	0	0	0	0	0	0	0	9
M18A2	U2/TR1							
	0	0	0	0	0	0	0	9
M18A3	Div/Corps G2							
	0	0	0	0	0	0	0	9
M18B	Integrate information and intelligence from own unit's assets, such as:							
	0	0	0	0	0	0	0	9
M18B1	Reconnaissance elements/scout platoon							
	0	0	0	0	0	0	0	9
M18B2	Ground assets/maneuver units							
	0	0	0	0	0	0	0	9
M18B3	Immediate tactical information observed by aircraft in the area							
	0	0	0	0	0	0	0	9
M18B4	Other available assets							
	0	0	0	0	0	0	0	9
M18C	Disseminate targetable information to the FSE							
	0	0	0	0	0	0	0	9
M19	Initiate Close Air Support (CAS) request (AMTP 71-3, Task 71-3-3--4, 3009;							
	0	0	0	0	0	1	4	4
M19A	Request supports ground scheme of maneuver							
	0	0	0	0	0	0	0	9

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MANUEVER [SIGNAL] PLANNING & PREPARATION TASKS, ALL LEVELS

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Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M19B	Request supports fire support plan							
	0	0	0	0	0	0	0	9
M19C	Request conforms to intelligence estimate							
	0	0	0	0	0	0	0	9
M19D	S3, with ALO advice and assistance, identifies preplanned air requirements							
	0	0	0	0	0	0	0	9
M19E	If preplanned, request contains desired air control measures for inclusion							
	0	0	0	0	0	0	0	9
M19F	If immediate CAS, S3/ALO ensures request contains information necessary to							
	0	0	0	0	0	0	0	9
M20	Determine what air is planned (AMTP 71-3, Task 71-3-3004)							
	0	0	0	0	0	1	4	4
M20A	S3 section obtains information from the ALO on planned air sorties in the							
	0	0	0	0	0	0	0	9
M20B	Determine type of aircraft, capabilities and munitions							
	0	0	0	0	0	0	0	9
M20C	Determine when the aircraft will arrive and how long aircraft will remain							
	0	0	0	0	0	0	0	9
M20D	Determine Electronic Warfare (EW) capabilities							
	0	0	0	0	0	0	0	9
M20E	Determine projected sortie allocation							
	0	0	0	0	0	0	0	9
M21	Determine what air is available (AMTP 71-3, Task 71-3-3004, 3009)							
	0	0	0	0	0	1	4	4
M21A	S3 section coordinates with the ALO/TACP to determine the number of air							
	0	0	0	0	0	0	0	9
M21B	Based on the ATO and communications with higher, the TACP identifies all							
	0	0	0	0	0	0	0	9
M21C	S3 section receives information on:							
	0	0	0	0	0	0	0	9
M21C1	Aircraft, capabilities, and munitions							
	0	0	0	0	0	0	0	9
M21C2	When and how long aircraft will be available							
	0	0	0	0	0	0	0	9
M21C3	EW assets and capabilities							
	0	0	0	0	0	0	0	9
M21C4	Air priority of effort in the AO							
	0	0	0	0	0	0	0	9
M21C5	Projected tanker support							
	0	0	0	0	0	0	0	9
M21C6	Projected Airborne Warning and Control System							
	0	0	0	0	0	0	0	9
M21C7	Projected fighter coverage							
	0	0	0	0	0	0	0	9
M21C8	Projected suppression coverage, JSEAD and Weasel							
	0	0	0	0	0	0	0	9

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [SIGNAL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M21D	TACP identifies aircraft on the way (2 hours out) and coordinates with	0	0	0	0	0	0	9
M22	Determine target identification procedures (AMTP 71-3, Task 71-3-9004; FM	0	0	0	0	1	4	4
M22A	S3/FSO, in conjunction with the ALO/TACP, determine target marking	0	0	0	0	0	0	9
M22B	Consider the utility of using target marking methods such as laser, smoke,	0	0	0	0	0	0	9
M22C	Identify easy to locate terrain features	0	0	0	0	0	0	9
M22D	Ensure distinction between target marking and method for marking friendly	0	0	0	0	0	0	9
M23	Develop contingency plans (AMTP 71-3, Task 71-3-3009, 9003, 9004; FM 6-20)	0	0	0	0	1	4	4
M23A	Identify secondary targets for CAS	0	0	0	0	0	0	9
M23A1	Identify alternate engagement areas	0	0	0	0	0	0	9
M23A2	Prepare for second echelon engagement	0	0	0	0	0	0	9
M23B	Identify back-up communications (ie	0	0	0	0	0	0	9
M23C	Coordinate for emergency control of CAS in event of ALO/ETAC KIA	0	0	0	0	0	0	9
M23D	Determine FSO/FO ability to control CAS in emergency	0	0	0	0	0	0	9
M23E	FSO plans alternate means to engage CAS targets	0	0	0	0	0	0	9
M24	Organize for combat (AMTP 71-3, Task 71-3-3001, 3002)	0	0	0	0	1	4	4
M24A	Establish chain of command	0	0	0	0	0	0	9
M24B	Identify locations provide uninterrupted communication with air and ground	0	0	0	0	0	0	9
M24C	Determine position of Air Liaison Officer within the command group for	0	0	0	0	0	0	9
M24D	Identify CAS final control authority	0	0	0	0	0	0	9
M25	Confirm aircraft allocation (AMTP 71-3, Task 71-3-3004, 3009)	0	0	0	0	1	4	4
M25A	Information on type aircraft, arrival times, munitions, and number of	0	0	0	0	1	0	8
M26	Integrate CAS with Brigade Synch Matrix (AMTP 71-3, Task 71-3-3004, 3009,	0	1	0	0	0	4	4
M26A	CAS plan conforms with Decision Support Template	0	1	0	0	0	0	8

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [SIGNAL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M26B	ALO and CAS are integrated into fire support rehearsals							
	0	1	0	0	0	0	0	8
M26C	CAS is synchronized with scheme of maneuver							
	0	1	0	0	0	0	0	8
M26C1	Timing							
	0	1	0	0	0	0	0	8
M26C2	Command or event driven sequence							
	0	1	0	0	0	0	0	8
M26D	CAS is synchronized with fire support plan							
	0	1	0	0	0	0	0	8
M26D1	Timing							
	0	1	0	0	0	0	0	8
M26D2	Command or event driven sequence							
	0	1	0	0	0	0	0	8
M26D3	Targets							
	0	1	0	0	0	0	0	8
M26E	CAS is synchronized with Army Aviation							
	0	0	0	0	0	1	0	8
M26E1	Timing							
	0	0	0	0	0	1	0	8
M26E2	Battle positions							
	0	0	0	0	0	1	0	8
M26E3	Engagement areas							
	0	0	0	0	0	1	0	8
M26F	Plan for continuous CAS missions							
	0	1	0	0	0	0	0	8
M27	Fire Support Element integrates CAS (AMTP 71-3, Task 71-3-3004, 3009, 9002;							
	0	0	0	0	0	1	4	4
M27A	CAS plan is incorporated into the indirect fire plan and included in the							
	0	0	0	0	0	0	0	9
M27A1	Sequence of attack							
	0	0	0	0	0	0	0	9
M27A2	Timing							
	0	0	0	0	0	0	0	9
M27A3	Engagement areas							
	0	0	0	0	0	0	0	9
M27A4	Targets							
	0	0	0	0	0	0	0	9
M27B	Masking of indirect fires is minimized							
	0	0	0	0	0	0	0	9
M27C	CAS target list is appropriate for air engagement							
	0	0	0	0	0	0	0	9
M27D	Identify coordination considerations with Army Aviation							
	0	0	0	0	0	0	0	9
M27E	ALO and CAS are integrated into fire support rehearsals							
	0	0	0	0	0	0	0	9

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [SIGNAL] PLANNING & PREPARATION TASKS, ALL LEVELS

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Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M28	Confirm airspace control measures (AMTP 71-3, Task 71-3-3012, 3013, 6002,							
	0	0	0	0	0	1	4	4
M28A	Review airspace control order (ACO) and identify any changes to initial							
	0	0	0	0	0	0	0	9
M28B	Identify local airspace restrictions for areas, altitude, times, and routes							
	0	0	0	0	0	0	0	9
M28C	Specifically identify ROZs for army aviation operations (FARPs, BPs, etc.)							
	0	0	0	0	0	0	0	9
M28D	Monitor status of airfields and specifically identify ROZs for air routes,							
	0	0	0	0	0	0	0	9
M28E	Specifically identify no fire areas due to ROE or friendly ground force							
	0	0	0	0	0	0	0	9
M28F	Confirm ADA restricted operations areas (ROAs), weapons free zones, and							
	0	0	0	0	0	0	0	9
M29	Confirm communications (AMTP 71-3, Task 71-3-1102)							
	3	1	2	1	0	0	0	2
M29A	Confirm frequencies from ALO/ATO and distribution of frequencies to							
	2	2	2	1	0	0	0	2
M29B	Confirm distribution of proper authentication tables [AKAC 1553] to							
	2	0	2	3	0	0	0	2
M29C	Conduct communications check and confirm communications capability with air							
	1	1	2	3	0	0	0	2
M30	Deconflict airspace (AMTP 71-3, Task 71-3-3012, 3013, 6002, 7001, 9002; FM							
	0	0	0	0	0	1	4	4
M30A	ACO provides for deconfliction of overall airspace into brigade AO							
	0	0	0	0	0	0	0	9
M30B	Within brigade AO, brigade plan minimizes potential fratricide situations							
	0	0	0	0	0	0	0	9
M30C	Brigade plan minimizes the masking of fires for all elements							
	0	0	0	0	0	0	0	9
M30D	Plan provides for reaction to aircraft ingressing and egressing the AO							
	0	0	0	0	0	0	0	9
M30E	Confirm that all the following assets are operating in concert:							
	0	0	0	0	0	0	0	9
M30E1	CAS							
	0	0	0	0	0	0	0	9
M30E2	Helicopters (attack, lift, and scout)							
	0	0	0	0	0	0	0	9
M30E3	Indirect fires (artillery, mortars, and naval gunfire)							
	0	0	0	0	0	0	0	9
M30E4	ADA							
	0	0	0	0	0	0	0	9
M30E5	UAV							
	0	0	0	0	0	0	0	9
M30F	FSO overlays indirect fire asset data (locations, gun target lines, maximum							
	0	0	0	0	0	0	0	9

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [SIGNAL] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M30G	Monitor planned and outgoing fires							
	0	0	0	0	0	0	0	9

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [AVIATION] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M01	Conduct mission analysis (AMTP 71-3, Task 71-3-3001; FM 101-5)							
	0	0	0	3	0	0	0	0
M01A	Determine specified tasks							
	0	0	0	3	0	0	0	0
M01B	Determine implied tasks							
	0	0	0	3	0	0	0	0
M01C	Determine area of operations (sector/zone)							
	0	0	0	3	0	0	0	0
M01D	Determine available time							
	0	0	0	3	0	0	0	0
M01E	Identify specific Rules of Engagement (ROE) that apply to CAS/air							
	0	0	0	3	0	0	0	0
M02	Determine the commander's intent (AMTP 71-3, Task 71-3-9001; FM 101-5)							
	0	0	0	2	0	0	0	1
M02A	Understand the purpose of the mission							
	0	0	0	2	0	0	0	1
M02B	Understand commander's intent for CAS							
	0	0	0	2	0	0	0	1
M03	S2 prepares Intelligence Estimate (AMTP 71-3, Task 71-3-2001; FM 34-1)							
	0	0	0	0	0	0	2	1
M03A	Perform IPB and identify all available information and intelligence on							
	0	0	0	0	0	0	0	3
M03B	Determine availability of air intelligence assets in addition to normal							
	0	0	0	0	0	0	0	3
M03C	Request continuous flow of combat information from aircraft to S2							
	0	0	0	0	0	0	0	3
M03D	Ensure continuous flow of new intelligence to the Air Liaison Officer							
	0	0	0	0	0	0	0	3
M03E	Request G2 input on deep enemy ADA threat							
	0	0	0	0	0	0	0	3
M03F	Coordinate with TACP if not receiving pilot tactical information							
	0	0	0	0	0	0	0	3
M04	S2 analyze the terrain (AMTP 71-3, Task 71-3-2001, 2003; FM 34-1)							
	0	0	0	0	0	0	2	1
M04A	Determine ground avenues of approach, choke points, and obstacles							
	0	0	0	0	0	0	0	3
M04B	Identify air avenues of approach							
	0	0	0	0	0	0	0	3
M04C	Determine the impact of weather on air operations							
	0	0	0	0	0	0	0	3
M05	S2 analyze the enemy situation (AMTP 71-3, Task 71-3-2001, 2003, 2005; FM							
	0	0	0	0	0	0	3	0
M05A	Determine size, disposition, location, and organization of enemy forces							
	0	0	0	0	0	0	0	3
M05B	Identify current and anticipated enemy ADA capabilities, locations, and							
	0	0	0	0	0	0	0	3

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [AVIATION] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M05C	Identify potential courses of action	0	0	0	0	0	0	3
M05D	Determine impact of weather on enemy ADA	0	0	0	0	0	0	3
M05E	Pass targeting data to S3/FSO	0	0	0	0	0	0	3
M06	S3/FSO develop/provide friendly situation (AMTP 71-3, Task 71-3-3002,	0	0	0	0	0	2	1
M06A	Identify and provide location of forward elements, Forward Line of Troops	0	1	0	0	0	0	2
M06B	Identify location of indirect fire assets, to include artillery, mortars,	0	1	0	0	0	0	2
M06C	Identify helicopter areas of operation (AO), to include routes, lift, and	0	1	0	0	0	0	2
M06D	Identify UAV (Unmanned Air Vehicle) AOs	0	1	0	0	0	0	2
M06E	Determine and provide location of the FSCL (Fire Support Coordination Line)	0	1	0	0	0	0	2
M06F	Identify Host country fire restrictive measures	0	1	0	0	0	0	2
M06G	Provide friendly maneuver plan, tactical situation, choke points, trigger	0	1	0	0	0	0	2
M07	A2C2 element identify or develop air control measures (AMTP 71-3, Task	0	2	0	0	1	0	0
M07A	Identify area for which the brigade is responsible (vertical, left, and	0	0	1	2	0	0	0
M07B	Identify users of the airspace and their requirements (army aviation, air	0	1	0	2	0	0	0
M07C	Identify areas impacting on air operations	0	1	0	2	0	0	0
M07C1	Aviation unit and FARP locations	0	1	0	2	0	0	0
M07C2	Artillery locations and planned fires	0	1	0	1	0	0	1
M07C3	RPV launch and recovery sites and flight paths	0	0	0	0	0	3	0
M07C4	ADA locations, engagement zones, and coverage	0	2	0	0	0	1	0
M07C5	Positions of instrument landing systems, navigation aids (NAVAID), flight	0	0	0	1	0	1	0
M07D	Identify user priorities, restrictions, and control measures	0	0	1	0	0	0	2
M07D1	Confirm coordinating altitude (from above ground level (AGL))	0	0	0	1	2	0	0
M07D2	Confirm air ROE	0	0	0	2	0	0	1

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MANUEVER [AVIATION] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M07D3	Identify and locate civilian airline routes							
	0	0	0	0	0	2	1	0
M07D4	Determine restrictions and constraints such as 'no fly zones'							
	0	0	0	2	0	0	1	0
M07E	Identify or designate the following areas:							
	0	0	0	0	1	0	0	2
M07E1	High density airspace control zone (HIDACZ)							
	0	0	0	0	0	2	1	0
M07E2	Restricted Operations Zones (ROZ)							
	0	0	0	2	1	0	0	0
M07E3	Air ingress/egress routes							
	0	1	0	1	1	0	0	0
M07E4	Airspace Coordination Areas (ACA)							
	1	0	0	0	0	2	0	0
M07E5	Contact Points/Initial Points (CP/IP)							
	0	0	0	3	0	0	0	0
M07E6	Helicopter air corridors							
	0	0	0	1	2	0	0	0
M07E7	Minimum Risk Routes (MRR)							
	1	1	0	0	0	1	0	0
M07E8	Engagement Areas (EAs)							
	1	0	1	1	0	0	0	0
M07F	Identify/designate ROZs for air resupply areas/times for both air drop and							
	0	0	0	2	1	0	0	0
M08	Determine communication requirements (AMTP 71-3, Task 71-3-1101)							
	0	0	0	2	0	0	1	0
M08A	Identify locations which provide continuous communications with ground and							
	0	0	0	2	0	0	0	1
M08B	Determine communications requirements with ground forces, air forces, and							
	0	0	0	2	0	0	0	1
M08C	Identify ground retransmission requirements							
	0	0	0	2	0	0	0	1
M08D	Coordinate with TACP to use AFAC as communications relay, if necessary							
	0	0	0	1	0	1	0	1
M09	Establish communications (AMTP 71-3, Task 71-3-1102)							
	0	0	0	2	0	0	1	0
M09A	Request air force frequencies (in ATO) and provide to army aviation and							
	0	1	0	1	0	0	0	1
M09B	Coordinate for, and ensure distribution of, authentication tables [AKAC							
	0	0	0	1	0	1	0	1
M10	Develop Air Defense Artillery control procedures (AMTP 71-3, Task							
	0	1	0	0	0	0	2	0
M10A	Coordinate ADA operations through the S3							
	0	1	0	0	0	0	0	2
M10B	Identify location and status of ADA units in brigade area							
	0	0	0	0	0	1	0	2

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [AVIATION] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M10C	Identify Air Defense Artillery (ADA) activation procedures (FM early							
	0	0	0	0	0	1	0	2
M10D	Maintain current ADA status and identify ADA changes of status/control							
	0	0	0	0	0	1	0	2
M10E	Identify air ingress/egress routes							
	0	0	0	0	0	1	0	2
M10F	Identify Restrictive Operation Areas (ROAs) and weapons free zones							
	0	0	0	0	0	1	0	2
M11	Coordinate Army Aviation employment (AMTP 71-3, Task 71-3-3011, 3012, 7001;							
	0	0	0	0	0	1	0	2
M11A	Identify responsibilities, aviation tasks and plans							
	0	1	0	1	0	0	0	1
M11B	Identify constraints/limitations in altitude and routes							
	0	0	0	2	0	0	0	1
M11C	Determine capabilities, type aircraft, callsigns, communications, and							
	0	1	1	0	0	0	0	1
M11D	Identify ROE							
	0	1	1	0	0	0	0	1
M11E	Identify engagement areas							
	0	0	1	1	0	0	0	1
M11F	Identify critical locations, such as:							
	0	0	0	2	0	0	0	1
M11F1	Landing zones							
	0	0	0	2	0	0	0	1
M11F2	Forward Arming and Refueling Points (FARP)							
	0	0	0	1	0	0	0	2
M11F3	Battle Positions (BPs)							
	0	1	0	1	0	0	0	1
M11F4	Aerial observation positions (AOPs)							
	0	1	1	0	0	0	0	1
M11G	Identify Joint Air Attack Team (JAAT) specific considerations							
	0	0	0	0	0	1	1	1
M11H	Aviation assets are incorporated into priority of fires and JSEAD							
	0	0	0	1	1	0	0	1
M12	S2 determine enemy ADA threat (AMTP 71-3, Task 71-3-2003, 2005)							
	0	0	0	0	0	0	3	0
M12A	Identify type and capabilities of enemy ADA systems (type munitions and							
	0	0	0	0	0	0	0	3
M12B	Determine locations of enemy ADA systems							
	0	0	0	0	0	0	0	3
M12C	Determine past and expected activities (movement/remain stationary) of							
	0	0	0	0	0	0	0	3
M12D	Pass targeting data to S3/FSO for JSEAD planning							
	0	0	0	0	0	0	0	3
M13	Develop fire support plan (AMTP 71-3, Task 71-3-3009, 3012, 9001, 9002; FM							
	0	1	0	0	0	0	1	1

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MANUEVER [AVIATION] PLANNING & PREPARATION TASKS, ALL LEVELS

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Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M13A	FSO advises on fire support capabilities, limitations, and coordinating							
	0	0	0	0	0	0	0	3
M13B	ALO is part of the fire support team and advises on air capabilities and							
	0	0	0	0	0	0	0	3
M13C	FSO and ALO coordinate on aircraft availability, munitions, capabilities,							
	0	0	0	0	0	0	0	3
M13D	FSO includes CAS in the fire support execution matrix							
	0	0	0	0	0	0	0	3
M13E	Primary concept for control measures in LIC is to separate artillery and							
	0	0	0	0	0	0	0	3
M13F	Fire support control measures are established							
	0	0	0	0	0	0	0	3
M13F1	Battle positions for army aviation							
	0	1	0	0	0	0	0	2
M13F2	No fire lines (NFL) and azimuth restrictions for artillery/mortars							
	0	1	0	0	0	0	0	2
M13F3	Engagement areas (EAs) identified by terrain features for CAS							
	0	0	0	0	0	0	0	3
M13F4	Other measures, such as FSCL, restrictive fire line (RFL), coordinated fire							
	0	0	0	0	0	0	0	3
M13G	Artillery is positioned to not interfere with airlines of							
	0	0	0	0	0	0	0	3
M13H	Fire support system is prepared to shut down operations for critical CAS							
	0	0	0	0	0	0	0	3
M13I	The following information is identified and maintained:							
	0	1	0	0	0	0	1	1
M13I1	Location of indirect fire assets							
	0	0	0	0	0	0	2	1
M13I1A	Artillery guns							
	0	0	0	0	0	0	2	1
M13I1B	Multiple Launched Rocket Systems							
	0	0	0	0	0	0	2	1
M13I1C	Mortars							
	0	0	0	0	0	0	2	1
M13I2	Capabilities of indirect fire assets							
	0	0	0	0	0	0	2	1
M13I3	Missions, planned targets, and gun-target lines							
	0	0	0	0	0	0	2	1
M13I4	Sequence of engagement							
	0	0	0	0	0	0	2	1
M13I5	Maximum ballistic altitudes							
	0	0	0	0	0	0	2	1
M13I6	Movement sequence (timing and new locations)							
	0	0	0	0	0	0	2	1
M13I7	ACAs							
	0	0	0	0	0	0	2	1

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MANUEVER [AVIATION] PLANNING & PREPARATION TASKS, ALL LEVELS

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Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M13I8	JAAT considerations							
	0	2	0	0	0	0	0	1
M14	Plan JSEAD (Joint Suppression of Enemy Air Defenses) (AMTP 71-3, Task							
	0	1	0	1	0	0	1	0
M14A	S2 identifies enemy ADA system/targets							
	0	1	0	1	0	0	0	1
M14B	Determine ADA target locations							
	0	1	0	1	0	0	0	1
M14C	Determine type of suppression							
	0	1	0	1	0	0	0	1
M14D	Determine type of JSEAD available							
	0	1	0	1	0	0	0	1
M14E	Integrate JSEAD with adjacent units							
	0	1	0	1	0	0	0	1
M15	Analyze targets (AMTP 71-3, Task 71-3-2003, 2006, 3004, 9003, 9004; FM							
	0	0	0	0	0	0	2	1
M15A	S2 identifies enemy locations							
	0	0	0	0	0	0	0	3
M15B	Determine target type, ALO recommends targets for CAS attack							
	0	0	0	0	0	0	0	3
M15C	Determine the best method to defeat enemy targets							
	0	0	0	0	0	0	0	3
M15C1	Determine constraints imposed by munitions available and ROE							
	0	0	0	0	0	0	0	3
M15C2	Match munitions to type targets							
	0	0	0	0	0	0	0	3
M15D	Identify appropriate JSEAD requirements							
	0	0	0	0	0	0	0	3
M15E	Identify necessary suppression measures and appropriate suppression systems							
	0	0	0	0	0	0	0	3
M15F	Identify the impact of weather on air operations and enemy ADA							
	0	0	0	0	0	0	0	3
M15G	Establish engagement criteria							
	0	0	0	0	0	0	0	3
M15H	Determine methods to identify friendly locations							
	0	0	0	0	0	0	0	3
M15I	On receipt of ATC information, ALO/FSO coordinate immediate 12 hour period							
	0	0	0	0	0	0	0	3
M15I1	Number and type of aircraft/munitions							
	0	0	0	0	0	0	0	3
M15I2	Targets appropriate to aircraft and munitions							
	0	0	0	0	0	0	0	3
M16	Determine ground priority targets (AMTP 71-3, Task 71-3-3005)							
	0	0	1	0	0	0	2	0
M16A	S3/FSO establish target priorities							
	0	0	0	0	0	0	1	2

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [AVIATION] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M16B	ALO recommends priorities for air attack							
	0	0	0	0	0	0	1	2
M16B1	Identify target type							
	0	0	0	0	0	0	1	2
M16B2	Integrate target with threat to friendly forces, determining risk to air							
	0	0	1	0	0	0	0	2
M17	Develop ground scheme of maneuver (AMTP 71-3, Task 71-3-3001, 3002, 3004,							
	0	0	0	0	0	0	3	0
M17A	Identify forward line of troops (FLOT) and/or battle positions (BPs)							
	0	0	0	0	0	0	0	3
M17B	Identify location of elements forward of the FLOT or operating							
	0	0	0	0	0	0	0	3
M17C	Designate methods of marking friendly troop locations (Glint tape, VS-17							
	0	0	0	0	0	0	0	3
M17D	Designate engagement areas (EAs) (designated areas with no friendly troops)							
	0	0	0	0	0	0	0	3
M17E	Establish maneuver restrictions, such as boundaries, axis of advance, and							
	0	0	0	0	0	0	0	3
M17F	Designate other control measures on troop movement or location, as required							
	0	0	0	0	0	0	0	3
M18	Continuously Analyze Intelligence Developments (AMTP 71-3, Task 71-3-2003,							
	0	0	0	0	0	0	3	0
M18A	Integrate strategic and higher echelon information and intelligence from							
	0	0	0	0	0	0	0	3
M18A1	JSTAR							
	0	0	0	0	0	0	0	3
M18A2	U2/TR1							
	0	0	0	0	0	0	0	3
M18A3	Div/Corps G2							
	0	0	0	0	0	0	0	3
M18B	Integrate information and intelligence from own unit's assets, such as:							
	0	0	0	0	0	0	0	3
M18B1	Reconnaissance elements/scout platoon							
	0	0	0	0	0	0	0	3
M18B2	Ground assets/maneuver units							
	0	0	0	0	0	0	0	3
M18B3	Immediate tactical information observed by aircraft in the area							
	0	0	0	0	0	0	0	3
M18B4	Other available assets							
	0	0	0	0	0	0	0	3
M18C	Disseminate targetable information to the FSE							
	0	0	0	0	0	0	0	3
M19	Initiate Close Air Support (CAS) request (AMTP 71-3, Task 71-3-3--4, 3009;							
	0	0	0	0	0	0	2	1
M19A	Request supports ground scheme of maneuver							
	0	0	0	0	0	0	0	3

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY
 MANUEVER [AVIATION] PLANNING & PREPARATION TASKS, ALL LEVELS
 ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M19B	Request supports fire support plan							
	0	0	0	0	0	0	0	3
M19C	Request conforms to intelligence estimate							
	0	0	0	0	0	0	0	3
M19D	S3, with ALO advice and assistance, identifies preplanned air requirements							
	0	0	0	0	0	0	0	3
M19E	If preplanned, request contains desired air control measures for inclusion							
	0	0	0	0	0	1	0	2
M19F	If immediate CAS, S3/ALO ensures request contains information necessary to							
	0	0	0	0	0	0	0	3
M20	Determine what air is planned (AMTP 71-3, Task 71-3-3004)							
	0	0	0	0	0	0	3	0
M20A	S3 section obtains information from the ALO on planned air sorties in the							
	0	0	0	0	0	0	0	3
M20B	Determine type of aircraft, capabilities and munitions							
	0	0	0	0	0	0	0	3
M20C	Determine when the aircraft will arrive and how long aircraft will remain							
	0	0	0	0	0	0	0	3
M20D	Determine Electronic Warfare (EW) capabilities							
	0	0	0	0	0	0	0	3
M20E	Determine projected sortie allocation							
	0	0	0	0	0	0	0	3
M21	Determine what air is available (AMTP 71-3, Task 71-3-3004, 3009)							
	0	0	0	0	0	0	3	0
M21A	S3 section coordinates with the ALO/TACP to determine the number of air							
	0	0	0	0	0	0	0	3
M21B	Based on the ATO and communications with higher, the TACP identifies all							
	0	0	0	0	0	0	0	3
M21C	S3 section receives information on:							
	0	0	0	0	0	0	0	3
M21C1	Aircraft, capabilities, and munitions							
	0	0	0	0	0	0	0	3
M21C2	When and how long aircraft will be available							
	0	0	0	0	0	0	0	3
M21C3	EW assets and capabilities							
	0	0	0	0	0	0	0	3
M21C4	Air priority of effort in the AO							
	0	0	0	0	0	0	0	3
M21C5	Projected tanker support							
	0	0	0	0	0	0	0	3
M21C6	Projected Airborne Warning and Control System							
	0	0	0	0	0	0	0	3
M21C7	Projected fighter coverage							
	0	0	0	0	0	0	0	3
M21C8	Projected suppression coverage, JSEAD and Weasel							
	0	0	0	0	0	0	0	3

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [AVIATION] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M21D	TACP identifies aircraft on the way (2 hours out) and coordinates with							
	0	0	0	0	0	0	0	3
M22	Determine target identification procedures (AMTP 71-3, Task 71-3-9004; FM							
	0	1	0	0	0	0	2	0
M22A	S3/FSO, in conjunction with the ALO/TACP, determine target marking							
	0	0	0	0	0	0	1	2
M22B	Consider the utility of using target marking methods such as laser, smoke,							
	0	1	0	0	0	0	0	2
M22C	Identify easy to locate terrain features							
	0	0	0	0	0	0	0	3
M22D	Ensure distinction between target marking and method for marking friendly							
	0	0	0	0	0	0	0	3
M23	Develop contingency plans (AMTP 71-3, Task 71-3-3009, 9003, 9004; FM 6-20)							
	0	0	0	0	0	0	3	0
M23A	Identify secondary targets for CAS							
	0	0	0	0	0	0	0	3
M23A1	Identify alternate engagement areas							
	0	0	0	0	0	0	0	3
M23A2	Prepare for second echelon engagement							
	0	0	0	0	0	0	0	3
M23B	Identify back-up communications (ie							
	0	0	0	0	0	0	0	3
M23C	Coordinate for emergency control of CAS in event of ALO/ETAC KIA							
	0	0	0	0	0	0	0	3
M23D	Determine FSO/FO ability to control CAS in emergency							
	0	0	0	0	0	0	0	3
M23E	FSO plans alternate means to engage CAS targets							
	0	0	0	0	0	0	0	3
M24	Organize for combat (AMTP 71-3, Task 71-3-3001, 3002)							
	0	0	0	0	0	0	3	0
M24A	Establish chain of command							
	0	0	0	0	0	0	0	3
M24B	Identify locations provide uninterrupted communication with air and ground							
	0	0	0	0	0	0	0	3
M24C	Determine position of Air Liaison Officer within the command group for							
	0	0	0	0	0	0	0	3
M24D	Identify CAS final control authority							
	0	0	0	0	0	0	0	3
M25	Confirm aircraft allocation (AMTP 71-3, Task 71-3-3004, 3009)							
	0	0	0	0	0	0	3	0
M25A	Information on type aircraft, arrival times, munitions, and number of							
	0	0	0	0	0	0	0	3
M26	Integrate CAS with Brigade Synch Matrix (AMTP 71-3, Task 71-3-3004, 3009,							
	1	0	0	0	0	1	1	0
M26A	CAS plan conforms with Decision Support Template							
	1	0	0	0	0	0	1	1

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [AVIATION] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M26B	ALO and CAS are integrated into fire support rehearsals							
	0	0	0	0	0	0	1	2
M26C	CAS is synchronized with scheme of maneuver							
	0	0	0	0	0	0	1	2
M26C1	Timing							
	0	0	0	0	0	0	1	2
M26C2	Command or event driven sequence							
	0	0	0	0	0	0	1	2
M26D	CAS is synchronized with fire support plan							
	0	0	0	0	0	1	0	2
M26D1	Timing							
	0	0	0	0	0	1	0	2
M26D2	Command or event driven sequence							
	0	0	0	0	0	1	0	2
M26D3	Targets							
	0	0	0	0	0	1	0	2
M26E	CAS is synchronized with Army Aviation							
	1	0	0	0	0	1	0	1
M26E1	Timing							
	1	0	0	0	0	0	0	2
M26E2	Battle positions							
	1	0	0	0	0	0	0	2
M26E3	Engagement areas							
	1	0	0	0	0	0	0	2
M26F	Plan for continuous CAS missions							
	1	0	0	0	0	0	0	2
M27	Fire Support Element integrates CAS (AMTP 71-3, Task 71-3-3004, 3009, 9002;							
	0	0	0	0	0	0	2	1
M27A	CAS plan is incorporated into the indirect fire plan and included in the							
	0	0	0	0	0	0	1	2
M27A1	Sequence of attack							
	0	0	0	0	0	0	1	2
M27A2	Timing							
	0	0	0	0	0	0	1	2
M27A3	Engagement areas							
	0	0	0	0	0	0	1	2
M27A4	Targets							
	0	0	0	0	0	0	1	2
M27B	Masking of indirect fires is minimized							
	0	0	0	0	0	0	1	2
M27C	CAS target list is appropriate for air engagement							
	0	0	0	0	0	0	1	2
M27D	Identify coordination considerations with Army Aviation							
	0	0	0	0	0	1	0	2
M27E	ALO and CAS are integrated into fire support rehearsals							
	0	0	0	0	0	0	0	3

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [AVIATION] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M28	Confirm airspace control measures (AMTP 71-3, Task 71-3-3012, 3013, 6002,							
	0	0	0	2	1	0	0	0
M28A	Review airspace control order (ACO) and identify any changes to initial							
	0	0	0	2	1	0	0	0
M28B	Identify local airspace restrictions for areas, altitude, times, and routes							
	0	0	0	2	1	0	0	0
M28C	Specifically identify ROZs for army aviation operations (FARPs, BPs, etc.)							
	0	0	0	2	1	0	0	0
M28D	Monitor status of airfields and specifically identify ROZs for air routes,							
	0	0	0	2	1	0	0	0
M28E	Specifically identify no fire areas due to ROE or friendly ground force							
	0	0	0	3	0	0	0	0
M28F	Confirm ADA restricted operations areas (ROAs), weapons free zones, and							
	0	0	0	2	0	0	1	0
M29	Confirm communications (AMTP 71-3, Task 71-3-1102)							
	0	0	0	0	0	0	1	2
M29A	Confirm frequencies from ALO/ATO and distribution of frequencies to							
	0	0	0	0	0	0	1	2
M29B	Confirm distribution of proper authentication tables [AKAC 1553] to							
	0	0	0	0	0	0	1	2
M29C	Conduct communications check and confirm communications capability with air							
	0	0	0	0	0	0	1	2
M30	Deconflict airspace (AMTP 71-3, Task 71-3-3012, 3013, 6002, 7001, 9002; FM							
	0	0	1	0	1	0	0	1
M30A	ACO provides for deconfliction of overall airspace into brigade AO							
	0	1	1	0	1	0	0	0
M30B	Within brigade AO, brigade plan minimizes potential fratricide situations							
	0	2	0	1	0	0	0	0
M30C	Brigade plan minimizes the masking of fires for all elements							
	0	1	0	2	0	0	0	0
M30D	Plan provides for reaction to aircraft ingressing and egressing the AO							
	0	1	0	0	2	0	0	0
M30E	Confirm that all the following assets are operating in concert:							
	0	1	1	0	0	1	0	0
M30E1	CAS							
	0	1	1	0	0	1	0	0
M30E2	Helicopters (attack, lift, and scout)							
	0	1	1	0	1	0	0	0
M30E3	Indirect fires (artillery, mortars, and naval gunfire)							
	0	1	1	0	1	0	0	0
M30E4	ADA							
	0	1	1	0	1	0	0	0
M30E5	UAV							
	0	1	0	0	0	2	0	0
M30F	FSO overlays indirect fire asset data (locations, gun target lines, maximum							
	0	2	0	0	0	0	1	0

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

MANUEVER [AVIATION] PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
M30G	Monitor planned and outgoing fires							
	0	1	0	2	0	0	0	0

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

TACP PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
G01	Conduct mission analysis (MCM 3-3, Vol VIII)							
	0	0	3	9	0	0	0	0
G01A	Determine specified tasks							
	0	0	0	3	0	0	0	9
G01B	Determine implied tasks							
	0	0	1	2	0	0	0	9
G01C	Determine area of operations (sector/zone)							
	0	0	0	3	0	0	0	9
G01D	Determine available time							
	0	0	0	3	0	0	0	9
G01E	Identify specific Rules of Engagement (ROE) that apply to CAS/air							
	0	0	1	2	0	0	0	9
G02	Determine the commander's intent (MCM 3-3, Vol VIII)							
	0	0	0	12	0	0	0	0
G02A	Understand the purpose of the mission							
	0	0	0	3	0	0	0	9
G02B	Understand commander's intent for CAS							
	0	0	0	3	0	0	0	9
G03	Coordinate with S2 (MCM 3-3, Vol VIII)							
	0	0	3	9	0	0	0	0
G03A	Identify all available information and intelligence on the following:							
	0	0	0	2	0	0	0	10
G03A1	Enemy forces							
	0	0	0	3	0	0	0	9
G03A2	Terrain							
	0	0	0	3	0	0	0	9
G03A3	Weather							
	0	0	0	3	0	0	0	9
G03B	Determine what air intelligence assets are available							
	0	0	1	2	0	0	0	9
G03C	Ensure continuous flow of combat information from aircraft to the S2							
	0	0	2	1	0	0	0	9
G04	Analyze the terrain (MCM 3-3, Vol VIII)							
	0	0	2	10	0	0	0	0
G04A	Determine ground avenues of approach, choke points, and obstacles							
	0	0	0	3	0	0	0	9
G04B	Identify air avenues of approach							
	0	0	0	3	0	0	0	9
G04C	Determine the impact of weather on air operations							
	0	0	0	3	0	0	0	9
G04D	Identify physical control features							
	0	0	0	3	0	0	0	9
G04E	Determine the impact of the sun angle on air operations							
	0	0	0	2	0	0	1	9
G04F	Determine the elevation of targets in feet							
	0	0	0	3	0	0	0	9

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

TACP PLANNING & PREPARATION TASKS, ALL LEVELS

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Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
G05	Analyze the enemy situation (MCM 3-3, Vol VIII)							
	0	0	4	8	0	0	0	0
G05A	Determine size, disposition, location, and organization of enemy forces							
	0	1	1	1	0	0	0	9
G05B	Identify current and anticipated enemy ADA capabilities, locations, and							
	0	0	2	1	0	0	0	9
G05C	Identify potential courses of action							
	0	0	1	2	0	0	0	9
G06	Identify air control measures (MCM 3-3, Vol VIII; ATP40; FM 100-103)							
	0	0	0	11	0	1	0	0
G06A	Confirm coordinating altitude (from above ground level (AGL))							
	0	0	0	3	0	0	0	9
G06B	Confirm air ROE							
	0	0	0	3	0	0	0	9
G06C	Identify and locate civilian airline routes							
	0	0	0	2	0	0	1	9
G06D	Determine restrictions and constraints such as							
	0	0	0	3	0	0	0	9
G06E	Identify or designate the following areas:							
	0	0	0	2	0	0	0	10
G06E1	High density airspace control zone (HIDACZ)							
	0	0	0	3	0	0	0	9
G06E2	Restricted Operations Zones (ROZ)							
	0	0	0	3	0	0	0	9
G06E3	Air ingress/egress routes							
	0	0	0	2	1	0	0	9
G06E4	Airspace Coordination Areas (ACA)							
	0	0	0	3	0	0	0	9
G06E5	Contact Points/Initial Points (CP/IP)							
	0	0	0	3	0	0	0	9
G06E6	Helicopter air corridors							
	0	0	2	1	0	0	0	9
G06E7	Minimum Risk Routes (MRR)							
	0	0	0	3	0	0	0	9
G06E8	Engagement Areas (EAs)							
	0	0	0	2	1	0	0	9
G06F	Identify/designate ROZs for air resupply areas/times for both air drop and							
	0	0	0	1	0	0	1	10
G07	Analyze friendly situation (MCM 3-3, Vol VIII)							
	0	0	6	6	0	0	0	0
G07A	Identify location of forward elements, Forward Line of Troops (FLOT) if							
	0	0	1	3	0	0	0	9
G07B	Determine location of indirect fire assets, to include artillery, mortars,							
	0	0	3	1	0	0	0	8
G07C	Identify helicopter areas of operation (AO), to include routes, lift, and							
	0	0	1	3	0	0	0	8

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

TACP PLANNING & PREPARATION TASKS, ALL LEVELS

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Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
G07D	Identify UAV (Unmanned Air Vehicle) AOs							
	0	0	0	0	0	1	3	8
G07E	Determine location of the FSCL (Fire Support Coordination Line) and/or any							
	0	0	0	4	0	0	0	8
G07F	Coordinate with S3 on friendly plan, tactical situation, choke points,							
	0	0	3	1	0	0	0	8
G08	Determine communication requirements (MCM 3-3, Vol VIII; TAC Pam 50-20)							
	0	0	4	7	0	0	0	1
G08A	Identify locations which provide continuous communications with ground and							
	0	0	2	1	0	0	1	8
G08B	Determine communications requirements with ground forces, air forces, and							
	0	0	2	2	0	0	0	8
G08C	Identify ground retransmission requirements							
	1	0	1	0	0	1	1	8
G08D	Coordinate/control communications with the AFAC to avoid over tasking if							
	0	0	1	3	0	0	0	8
G08E	Develop air communication contingency plan							
	0	0	1	1	0	0	0	10
G08E1	HAVE-Quick (TOD, Mickey) frequency jumping equipment							
	0	0	1	0	0	0	3	8
G08E2	Chattermark (pre-determined alternate frequencies)							
	0	0	1	1	1	1	0	8
G09	Establish communications MCM 3-3, Vol VIII; TAC Pam 50-20)							
	0	1	4	7	0	0	0	0
G09A	Ensure air force frequencies in ATO are provided to army aviation							
	1	0	1	2	0	1	0	7
G09B	Coordinate/ensure distribution of authentication tables							
	0	1	4	0	0	0	0	7
G09C	Conduct full commo check on ground with AFAC/GFAC/TACP/AVN/FSO assets							
	0	2	1	1	0	1	0	7
G09D	Consider using ETAC with portable UHF in helicopter with AVN Air Battle							
	0	0	4	1	0	0	0	7
G10	Coordinate Air Defense Artillery control procedures (TAC Pam 50-20)							
	0	0	6	4	0	2	0	0
G10A	Identify Air Defense Artillery (ADA) activation procedures (FM early							
	0	0	3	0	0	1	0	8
G10B	Identify ADA change of status procedures							
	0	0	2	1	0	1	0	8
G10C	Identify air ingress/egress routes							
	0	0	2	1	0	1	0	8
G10D	Identify, and provide for, notification procedures for friendly air on							
	0	0	3	0	0	1	0	8
G10E	Coordinate, and provide information on, aircraft types, flight schedules,							
	0	0	3	0	0	1	0	8
G11	Coordinate with Army Aviation (TAC Pam 50-20; FM 1-111)							
	0	0	5	6	0	1	0	0

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

TACP PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
G11A	Identify responsibilities, aviation tasks and plans							
	0	0	1	2	0	1	0	8
G11B	Identify constraints/limitations in altitude and routes							
	0	0	2	2	0	0	0	8
G11C	Determine capabilities, type aircraft, callsigns, communications, and							
	0	0	1	3	0	0	0	8
G11D	Identify engagement areas							
	0	0	1	1	1	1	0	8
G11E	Identify critical locations, such as:							
	0	0	1	2	0	0	0	9
G11E1	Landing Zones							
	0	0	1	2	0	1	0	8
G11E2	Forward Arming and Refueling Points (FARP)							
	0	0	1	2	0	1	0	8
G11E3	Battle Positions (BPs)							
	0	0	2	1	0	1	0	8
G11E4	Aerial observation positions (AOPs)							
	0	0	1	2	0	1	0	8
G11F	Identify Joint Air Attack Team (JAAT) specific considerations							
	0	0	3	0	0	1	0	8
G11G	Coordinate for a Helo-FAC, assistant ALO/ETAC in aircraft with AVN Air							
	0	0	3	0	0	1	0	8
G12	Determine enemy ADA threat (MCM 3-3, Vol VIII; TACP Pam 50-20)							
	0	0	4	7	0	0	0	1
G12A	Identify type and capabilities of enemy ADA systems (type munitions and							
	0	0	1	2	0	0	0	9
G12B	Determine location of enemy ADA systems							
	0	0	2	0	0	1	0	9
G12C	Determine past and expected activities (movement/remain stationary) of							
	0	0	2	1	0	0	0	9
G13	Review air capabilities and priorities (TAC Pam 50-20; FM 6-20)							
	0	0	1	11	0	0	0	0
G13A	Brief ground commander on air capabilities and limitations							
	0	0	1	2	0	0	0	9
G13B	Brief FSO on aircraft, weapons capabilities, limitations, controls, lead							
	0	0	0	3	0	0	0	9
G13C	Confirm commander's intent and guidance on CAS							
	0	0	0	3	0	0	0	9
G13D	Nominate appropriate targets for air munitions							
	0	0	0	3	0	0	0	9
G13E	Air target selection priorities support both aircraft survival and the							
	0	0	0	3	0	0	0	9
G13F	Target priorities conform with the ground fire support plan							
	0	0	0	3	0	0	0	9
G14	Analyze fire support plan (MCM 3-3, Vol VIII; FM 6-20)							
	0	0	5	6	0	0	0	1

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

TACP PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
G14A	ALO is part of the fire support team							
	0	0	5	0	0	0	0	7
G14B	ALO and FSO coordinate on aircraft availability, munitions, capabilities,							
	0	0	2	3	0	0	0	7
G14C	ALO recommends appropriate target sequence and CAS is included in the fire							
	0	0	2	3	0	0	0	7
G14D	Primary concept for control measures in LIC is to separate artillery and							
	0	0	1	3	0	1	0	7
G14E	Fire support control measures are established							
	0	0	2	2	0	0	0	8
G14E1	Battle positions for army aviation							
	0	0	4	0	0	1	0	7
G14E2	No fire lines (NFL) and azimuth restrictions for artillery/mortars							
	0	0	2	3	0	0	0	7
G14E3	Engagement areas (EAs) identified by terrain features for CAS							
	0	0	0	5	0	0	0	7
G14E4	Other measures, such as FSCL, restrictive fire line (RFL), coordinated fire							
	0	0	2	3	0	0	0	7
G14F	Fire support system is prepared to shut down operations for critical CAS							
	0	0	3	1	0	1	0	7
G14G	The following information is identified:							
	0	0	2	1	0	0	0	9
G14G1	Location of indirect fire assets							
	0	0	2	1	0	0	0	9
G14G1A	Artillery guns							
	0	0	2	2	0	0	0	8
G14G1B	Multiple Launched Rocket Systems							
	0	0	1	1	0	0	1	9
G14G1C	Mortars							
	0	0	3	1	0	0	0	8
G14G2	Capabilities of indirect fire assets							
	0	0	2	2	0	0	0	8
G14G3	Missions, planned targets, and gun-target lines							
	0	0	4	0	0	0	0	8
G14G4	Sequence of engagement							
	0	0	2	1	0	1	0	8
G14G5	Maximum ballistic altitudes							
	1	1	1	1	0	0	0	8
G14G6	Movement sequence (timing and new locations)							
	0	0	3	0	0	1	0	8
G14G7	ACAs							
	0	0	2	2	0	0	0	8
G14G8	JAAT considerations							
	0	0	3	0	0	1	0	8
G15	Plan JSEAD (Joint Suppression of Enemy Air Defenses) (TAC Pam 50-20)							
	0	0	6	5	0	1	0	0

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

TACP PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OB3	Not APP	Not Assess
G15A	Identify enemy ADA systems known and probable locations							
	0	0	4	0	0	0	0	8
G15B	Determine type of suppression desired							
	0	0	2	2	0	0	0	8
G15C	Determine type of JSEAD available; air, artillery, army aviation, naval							
	0	0	2	2	0	0	0	8
G15D	Integrate JSEAD with adjacent units							
	0	0	3	0	0	1	0	8
G16	Determine risk to Airborn Forward Air Controller (MCM 3-3, Vol VIII)							
	0	0	1	10	0	0	0	1
G16A	Determine risk to Airborn Forward Air Controller (AFAC) during the							
	0	0	0	3	0	0	0	9
G16A1	Target observation							
	0	0	2	0	0	0	0	10
G16A2	Target marking							
	0	0	0	2	0	0	0	10
G16A3	Holding pattern							
	0	0	0	2	0	0	0	10
G16B	Identify AFAC position in relation to the enemy ADA threat							
	0	0	1	1	0	0	0	10
G16B1	Distance (range)							
	0	0	1	1	0	0	0	10
G16B2	Systems capabilities							
	0	0	2	0	0	0	0	10
G16C	Identify AFAC position in relation to friendly forces							
	0	0	1	0	0	0	0	11
G16C1	ADA							
	0	0	1	1	0	0	0	10
G16C2	Gun target lines							
	0	0	1	1	0	0	0	10
G16C3	Air routes							
	0	0	0	2	0	0	0	10
G16D	Confirm appropriateness of the AFAC altitude and holding pattern area							
	0	0	0	2	0	0	0	10
G17	Analyze targets (TAC PAM 50-20; FM 6-20)							
	0	0	4	8	0	0	0	0
G17A	Identify enemy locations							
	0	0	4	0	0	0	0	8
G17B	Determine target type							
	0	0	2	2	0	0	0	8
G17C	Determine the best method to defeat enemy targets							
	0	0	3	1	0	0	0	8
G17C1	Determine constraints imposed by munitions available and ROE							
	0	0	2	2	0	0	0	8
G17C2	Match munitions to type targets							
	0	0	0	4	0	0	0	8

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

TACP PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
G17D	Identify appropriate JSEAD requirements							
	0	0	4	0	0	0	0	8
G17E	Identify necessary suppression measures and appropriate suppression systems							
	0	0	3	1	0	0	0	8
G17F	Determine the impact of weather on air operations							
	0	0	1	3	0	0	0	8
G17G	Confirm engagement criteria							
	0	0	0	4	0	0	0	8
G17H	Determine methods to identify friendly locations							
	0	0	1	3	0	0	0	8
G17I	On receipt of ATO, ALO/FSO coordinate immediate 12 hour period and							
	0	0	1	3	0	0	0	8
G17I1	Number and type of aircraft and munitions							
	0	0	0	4	0	0	0	8
G17I2	Targets appropriate to aircraft and munitions							
	0	0	0	4	0	0	0	8
G18	Determine ground priority targets (MCM 3-3, Vol VIII)							
	0	0	2	10	0	0	0	0
G18A	S3/FSO establish target priorities							
	0	0	0	3	0	0	0	9
G18B	ALO recommends priorities for air attack							
	0	0	0	3	0	0	0	9
G18B1	Identify target type and munitions							
	0	0	0	3	0	0	0	9
G18B2	Integrate target with threat to friendly forces, determining risk to air							
	0	0	0	3	0	0	0	9
G19	Identify Initial Point (MCM 3-3, Vol VIII)							
	0	0	0	12	0	0	0	0
G19A	Identify location							
	0	0	0	4	0	0	0	8
G19A1	Appropriate distance from threat							
	0	0	0	4	0	0	0	8
G19A2	Easy to identify							
	0	0	0	4	0	0	0	8
G19B	Determine holding attitude							
	0	0	0	4	0	0	0	8
G19C	Confirm deconfliction of IP from gun target lines							
	0	0	0	4	0	0	0	8
G19D	Confirm communication capabilities							
	0	0	0	4	0	0	0	8
G20	Analyze ground scheme of maneuver (MCM 3-3, Vol VIII; TAC Pam 50-22)							
	0	0	3	9	0	0	0	0
G20A	Identify forward line of troops (FLOT) and/or battle positions (BPs)							
	0	0	2	2	0	0	0	8
G20B	Identify location of elements forward of the FLOT or operating							
	0	0	2	2	0	0	0	8

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

TACP PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: ALL, MISSION: ALL, TRAINING DAY: ALL, O/C: ALL

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
G20C	Identify methods of marking friendly troop locations (Glint tape, VS-17)							
	0	0	0	3	1	0	0	8
G20D	Identify engagement areas (EAs) (designated areas with no friendly troops)							
	0	0	0	3	1	0	0	8
G20E	Identify maneuver restrictions, such as boundaries							
	0	0	1	3	0	0	0	8
G20F	Identify other control measures on troop movement or location, as required							
	0	0	1	3	0	0	0	8
G20G	Determine how to ensure							
	0	0	1	3	0	0	0	8
G21	Continuously Analyze Intelligence Developments (TACM 3-1 VI)							
	0	0	4	8	0	0	0	0
G21A	Integrate strategic and higher echelon information and intelligence from							
	0	0	1	1	0	0	1	9
G21A1	JSTAR							
	0	0	0	0	0	0	3	9
G21A2	U2/TR1							
	0	0	0	1	0	0	2	9
G21A3	Div/Corps G2							
	0	0	0	3	0	0	0	9
G21B	Integrate information and intelligence from own unit's assets, such as:							
	0	0	2	1	0	0	0	9
G21B1	Reconnaissance elements/scout platoon							
	0	0	2	1	0	0	0	9
G21B2	Ground assets/maneuver units							
	0	0	2	1	0	0	0	9
G21B3	Ensure S2 receiving immediate tactical information observed by aircraft in							
	0	0	2	1	0	0	0	9
G21B4	Other available assets							
	0	0	1	0	0	0	2	9
G21C	Brigade TACP gathers information/intelligence and disseminates to other							
	0	0	1	2	0	0	0	9
G22	Initiate Close Air Support (CAS) request (FM 90-21)							
	0	0	1	10	0	0	0	1
G22A	Request supports ground scheme of maneuver							
	0	0	0	3	0	0	0	9
G22B	Request supports fire support plan							
	0	0	2	1	0	0	0	9
G22C	Request conforms to intelligence estimate							
	0	0	2	1	0	0	0	9
G22D	ALO identifies preplanned air requirements and prepares request for FSO/S3							
	0	1	1	1	0	0	0	9
G22E	If preplanned, request contains desired air control measures for inclusion							
	0	0	2	1	0	0	0	9
G22F	If immediate CAS, S3/ALO ensures request contains information necessary to							
	0	0	1	1	0	0	0	10

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

TACP PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: ALL, MISSION: ALL, TRAINING DAY: ALL, O/C: ALL

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
G23	Determine what air is planned (MCM 3-3, Vol VIII)							
	0	0	0	11	0	0	0	1
G23A	TACP receives information on planned air sorties from the ATO							
	0	0	0	2	0	0	0	10
G23B	Determine type of aircraft, capabilities and munitions							
	0	0	0	2	0	0	0	10
G23C	Determine when the aircraft will arrive and how long aircraft will remain							
	0	0	0	2	0	0	0	10
G23D	Determine Electronic Warfare (EW) capabilities							
	0	0	1	1	0	0	0	10
G23E	Determine projected sortie allocation							
	0	0	1	1	0	0	0	10
G24	Determine what air is available (MCM 3-3, Vol VIII)							
	0	0	0	10	0	0	0	2
G24A	Based on the ATO and communications with higher, the TACP identifies all							
	0	0	0	0	0	0	0	12
G24B	Determine type aircraft, capabilities, and munitions							
	0	0	0	0	0	0	0	12
G24C	Determine when and how long aircraft will be available							
	0	0	0	0	0	0	0	12
G24D	Determine EW assets and capabilities							
	0	0	1	0	0	0	0	11
G24E	Determine air priority of effort in the AO							
	0	0	0	0	0	0	0	12
G24F	Determine projected tanker support							
	0	0	0	0	0	0	1	11
G24G	Determine projected Airborne Warning and Control System (AWACS)							
	0	0	0	0	0	0	1	11
G24H	Determine projected fighter coverage							
	0	0	0	1	0	0	0	11
G24I	Determine projected suppression coverage (JSEAD and Weasel)							
	0	0	1	0	0	0	0	11
G24J	TACP identifies aircraft on the way (2 hours out) and coordinates with							
	0	0	1	0	0	0	0	11
G25	Determine target identification procedures (TAC Pam 50-28; FM 6-20)							
	0	0	1	10	0	0	0	1
G25A	Determine target marking procedures							
	0	0	0	1	0	0	0	11
G25B	Determine the utility of using target marking methods, such as laser,							
	0	0	0	0	0	0	0	11
G25C	Identify easy to locate terrain features							
	0	0	0	1	0	0	0	11
G25D	Ensure distinction between target marking and method for marking friendly							
	0	0	0	1	0	0	0	11
G26	Develop contingency plans (TACM 3-1 VI, FM 6-20)							
	0	0	4	6	0	1	0	1

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

TACP PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not CBS	Not APP	Not Assess
G26A	Identify secondary targets for CAS	0	0	2	0	0	0	10
G26A1	Identify alternate engagement areas	0	0	2	0	0	0	10
G26A2	Prepare for second echelon engagement	0	0	2	0	0	0	10
G26B	Identify back-up communications (ie. fire supportnet/radios, relay to AFAC	0	0	2	0	0	0	10
G26C	Coordinate for emergency control of CAS in event of ALO/ETAC KIA	0	0	2	0	0	0	10
G26D	Determine FSO/FO ability to control CAS in emergency	0	0	2	0	0	0	10
G27	Organize for combat (MCM 3-3, Vol VIII)	0	0	1	10	0	0	1
G27A	Establish chain of command	0	0	0	1	0	0	11
G27B	Identify locations for TACP elements that provide for observation of target	0	0	0	1	0	0	11
G27B1	AFAC	0	0	0	1	0	0	11
G27B2	GFAC	0	0	0	1	0	0	11
G27B3	Flight lead control	0	0	0	1	0	0	11
G27C	Identify locations provide uninterrupted communication with air and ground	0	0	0	1	0	0	11
G27D	Determine position of Air Liaison Officer within the command group for	0	0	0	1	0	0	11
G27E	Identify CAS final control authority	0	0	0	1	0	0	11
G28	Designate subordinate responsibilities (MCM 3-3, Vol VIII)	0	0	0	11	0	0	1
G28A	Confirm responsibilities for battalion TACPs	0	0	0	0	0	0	12
G28B	Confirm required actions of the Brigade TACP	0	0	0	0	0	0	12
G28C	Ensure any special instructions are disseminated to all subordinate	0	0	0	0	0	0	12
G28D	Confirm that all subordinates are capable of fulfilling their assigned	0	0	0	0	0	0	12
G29	Confirm aircraft allocation (MCM 3-3, Vol VIII; TACM 55-46)	0	0	0	12	0	0	0
G29A	The following information is confirmed as early as possible:	0	0	0	4	0	0	8
G29A1	Type of aircraft	0	0	0	5	0	0	7

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

TACP PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not CBS	Not APP	Not Assess
G29A2	When the aircraft will arrive							
	0	0	0	5	0	0	0	7
G29A3	Munitions							
	0	0	1	4	0	0	0	7
G29A4	Number of sorties and station time							
	0	0	0	5	0	0	0	7
G30	Confirm CAS integration with Brigade Synch Matrix (FM 6-20)							
	0	0	1	9	0	1	0	1
G30A	CAS plan conforms with Decision Support Template							
	0	0	0	1	0	6	0	5
G30B	ALO and CAS are integrated into fire support rehearsals							
	0	0	0	4	0	0	0	8
G30C	CAS is synchronized with scheme of maneuver							
	0	0	0	4	0	0	0	8
G30C1	Timing							
	0	0	2	2	0	0	0	8
G30C2	Command or event driven sequence							
	4	0	2	1	0	0	0	5
G30D	CAS is incorporated into the fire support execution matrix and is							
	0	0	1	2	0	0	0	9
G30D1	Timing							
	3	0	2	2	0	0	0	5
G30D2	Command or event driven sequence							
	0	0	4	1	0	0	0	7
G30D3	Targets							
	4	0	2	1	0	0	0	5
G30E	CAS is synchronized with Army Aviation							
	0	0	3	1	0	0	0	3
G30E1	Timing							
	0	0	4	1	0	0	0	7
G30E2	Battle positions							
	4	0	2	1	0	0	0	5
G30E3	Engagement areas							
	0	0	2	2	0	0	0	8
G30F	Plan for continuous CAS missions							
	0	0	1	2	0	4	0	5
G31	Confirm plan with Fire Support Element (FM 6-20)							
	0	0	5	6	0	0	0	1
G31A	Confirm that CAS plan is synchronized with indirect fire plan and included							
	0	0	1	1	0	4	0	6
G31A1	Sequence of attack							
	0	0	2	1	0	4	0	5
G31A2	Timing							
	0	0	1	2	0	4	0	5
G31A3	Engagement areas							
	0	0	2	1	0	4	0	5

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

TACP PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
G31A4	Targets							
	0	1	2	1	0	4	0	4
G31B	Ensure that masking of indirect fires is minimized							
	0	0	1	1	0	3	0	7
G31C	Review CAS target list for appropriateness							
	4	0	0	2	0	0	0	6
G31D	Identify coordination considerations with Army Aviation							
	0	0	5	1	0	0	0	6
G31E	ALO and CAS are integrated into fire support rehearsals							
	0	0	0	5	0	0	0	7
G32	Confirm airspace control measures (MCM 3-3, Vol VIII; TACR 55-46)							
	0	0	0	10	0	1	0	1
G32A	Review airspace control order (ACO) and identify any changes to initial							
	0	0	0	4	0	0	0	8
G32B	Identify local airspace restrictions for areas, altitude, times, and routes							
	0	0	0	4	0	0	0	8
G32C	Specifically identify ROZs for army aviation operations (FARPs, BPs, etc.)							
	0	0	1	3	0	0	0	8
G32D	Monitor status of airfields and specifically identify ROZs for air routes,							
	0	0	0	3	0	1	0	8
G32E	Specifically identify no fire areas due to ROE or friendly ground force							
	0	0	0	3	4	0	0	5
G32F	Confirm ADA restricted operations areas (ROAs), weapons free zones, and							
	0	0	1	3	0	0	0	8
G33	Confirm communications (MCM 3-3, Vol VIII; TAC Pam 50-20)							
	0	0	2	8	0	0	0	2
G33A	Confirm frequencies from ATO and distribution of frequencies to							
	1	0	1	2	0	0	0	8
G33B	Confirm distribution of proper authentication tables [AKAC 1553] to army							
	1	1	0	2	0	0	0	8
G33C	Conduct communications check and confirm communications capability (to							
	0	0	2	2	0	0	0	8
G33C1	TACP elements							
	0	0	2	1	0	0	1	8
G33C2	Air forces							
	0	0	2	1	0	0	0	9
G33C3	Army aviation							
	2	4	0	0	0	0	0	6
G33C4	Ground forces							
	0	0	6	0	0	0	0	6
G34	Deconflict airspace (TAC Pam 50-28; FM 100-103)							
	0	0	1	9	0	1	0	1
G34A	ACO provides for deconfliction of overall airspace into brigade AO							
	0	0	0	2	1	1	0	8
G34B	Within brigade AO, brigade plan minimizes potential fratricide situations							
	0	0	1	3	0	0	0	8

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

TACP PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
G34C	Brigade plan minimizes the masking of fires for all elements							
	0	0	0	3	0	1	0	8
G34D	Plan provides for reaction to aircraft ingressing and egressing the AO							
	0	0	0	4	0	0	0	8
G34E	Confirm that all the following assets are operating in concert:							
	0	0	0	3	0	0	0	9
G34E1	CAS							
	0	0	0	3	0	0	0	9
G34E2	Helicopters (attack, lift, and scout)							
	0	0	1	2	0	0	0	9
G34E3	Indirect fires (artillery, mortars, and naval gunfire)							
	0	0	1	2	0	0	0	9
G34E4	ADA							
	0	0	1	2	0	0	0	9
G34E5	UAV							
	0	0	0	0	0	3	0	9
G34F	FSO overlays indirect fire asset data (locations, gun target lines, maximum							
	0	0	1	3	0	0	0	8
G34G	Monitor planned and outgoing fires							
	0	0	2	2	0	0	0	8
G35	Brief AFAC on threat (MCM 3-3, Vol VIII)							
	0	0	2	8	0	1	0	1
G35A	Size, disposition, locations and organization of enemy forces							
	0	0	2	2	0	0	0	8
G35B	Current and anticipated enemy ADA capabilities, locations, and activities							
	0	0	2	2	0	0	0	8
G35C	Current and forecasted weather							
	0	0	2	2	0	0	0	8

TASK REMARKS COMPARISON, ROTATION SUMMARY

TACP PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task# Task Description

Mission C/C Remarks

G05REM Analyze the enemy situation (MCM 3-3, Vol VIII)
 FORCED ENTRY T07 A., S2 BLIND AS TO ENEMY DISPOSITION. NOT ABLE TO PROVIDE ALO
 WITH DISPOSITION OF ENEMY.

G06REM Identify air control measures (MCM 3-3, Vol VIII; ATP40; FM 100-103)
 FORCED ENTRY T07 NOMINATED LLTRS TO DIVISION.

G08REM Determine communication requirements (MCM 3-3, Vol VIII; TAC Pam 50-20)
 FORCED ENTRY T06 CHATTERMARK TO PREPLANNED FREQ WITH TACPS RECEIVED
 INADVERTENT JAMMING.

G09REM Establish communications MCM 3-3, Vol VIII; TAC Pam 50-20)
 FORCED ENTRY T06 C. NO COMMO WITH ASOC.
 FORCED ENTRY T06 NO COMMO WITH ASOC.
 AUTHENTICATION TABLES NOT PROVIDED TO ARMY AVN.

G10REM Coordinate Air Defense Artillery control procedures (TAC Pam 50-20)
 FORCED ENTRY T06 C. D. E. BDE STAFF NOT INITIALLY INFORMED CAS WAS ON STATION.

G14REM Analyze fire support plan (MCM 3-3, Vol VIII; FM 6-20)
 FORCED ENTRY T06 MAX ORDS NOT COMPUTED.

G22REM Initiate Close Air Support (CAS) request (FM 90-21)
 FORCED ENTRY T06 D. PREPLANS NOT SENT - ALO DID NOT INSURE FSO TRANSMITTED.

G29REM Confirm aircraft allocation (MCM 3-3, Vol VIII; TACM 55-46)
 FORCED ENTRY T06 BDE ALO ATTENDED AIR PLANNING CONFERENCE.

G31REM Confirm plan with Fire Support Element (FM 6-20)
 FORCED ENTRY T06 B. MAX ORDINATE OF ARTILLERY FIRES WERE NOT DETERMINED.
 FORCED ENTRY T06 G31. S2 DID NOT DEVELOP.
 DEFENSE T07 C. ARMY HAD LIMITED TARGETS - EXPECTED VIS RECCE TO IDENTIFY
 TARGETS.

G33REM Confirm communications (MCM 3-3, Vol VIII; TAC Pam 50-20)
 FORCED ENTRY T06 C. HAVE QUICK OPS PROHIBITED DUE TO COMM INTERFERENCE.
 FORCED ENTRY T06 B. ARMY DID NOT HAVE AUTH CARDS.
 DEFENSE T07 B. THIS OUGHT TO BE 1655B.
 C.3: THERE WAS LITTLE INTEGRATION OF FREQUENCIES BETWEEN AIR
 AND HELOS.

G34REM Deconflict airspace (TAC Pam 50-28; FM 100-103)
 FORCED ENTRY T06 MAX ORD NOT PLANNED.

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

AFAC PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
A01	Analyze the tactical situation (MCM 3-3, Vol VIII)							
	0	0	0	0	1	0	0	0
A01A	Determine ground forces mission, offensive and defensive							
	0	0	0	0	1	0	0	0
A01B	Determine purpose/intent of ground mission							
	0	0	0	1	0	0	0	0
A01C	Determine air forces mission							
	0	0	1	0	0	0	0	0
A02	Determine the friendly situation (MCM 3-3, Vol VIII)							
	0	0	0	1	0	0	0	0
A02A	The following information is identified:							
	0	0	0	0	0	0	0	1
A02A1	FLOT							
	0	0	0	0	1	0	0	0
A02A2	Location of forward elements							
	1	0	0	0	0	0	0	0
A02A3	Location of indirect fire assets							
	1	0	0	0	0	0	0	0
A02A4	Helicopter AO							
	0	0	1	0	0	0	0	0
A02A5	UAV AO							
	0	0	0	0	0	0	1	0
A02A6	Location of FSCL (Fire Support Coordination Line)							
	0	0	0	0	0	0	1	0
A02A7	Location of other fire support coordinating or restrictive measures							
	0	0	0	0	1	0	0	0
A03	Analyze the enemy situation (MCM 3-3, Vol VIII)							
	0	0	0	0	0	0	0	1
A03A	Determine size, disposition, location, and organization of enemy forces							
	0	0	0	1	0	0	0	0
A03B	Identify potential courses of action							
	0	0	0	0	1	0	0	0
A04	Determine enemy ADA threat (MCM 3-3, Vol VIII; TACP Pam 50-20)							
	0	0	0	1	0	0	0	0
A04A	Identify type and capabilities of enemy ADA systems (type munitions and							
	0	0	0	1	0	0	0	0
A04B	Determine locations of enemy ADA systems							
	0	0	1	0	0	0	0	0
A04C	Determine past and expected activities (movement/remain stationary) of							
	0	0	0	1	0	0	0	0
A05	Determine the EW threat (MCM 3-3, Vol VIII)							
	0	0	1	0	0	0	0	0
A05A	Determine potential impact of friendly EW							
	0	0	0	0	0	0	1	0
A05B	Determine scope of enemy EW							
	0	0	0	0	0	0	1	0

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

AFAC PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
A05C	Determine how to neutralize enemy EW	0	0	0	0	0	1	0
A05D	Identify measures to overcome enemy jamming	0	0	1	0	0	0	0
A06	Analyze the terrain (MCM 3-3, Vol VIII)	0	0	0	0	0	0	1
A06A	Determine ground avenues of approach, choke points, and obstacles	0	0	0	1	0	0	0
A06B	Identify air avenues of approach	0	0	0	0	0	1	0
A06C	Determine the impact of weather on air operations	0	0	0	0	1	0	0
A06D	Identify physical control features	0	0	0	1	0	0	0
A06E	Determine the impact of the sun angle on air operations	0	0	1	0	0	0	0
A06F	Determine the elevation of targets in feet	0	0	0	1	0	0	0
A07	Determine what air is planned (MCM 3-3, Vol VIII)	0	0	0	0	0	0	1
A07A	AFAC receives information on planned air sorties from the ATO and	0	0	0	0	1	0	0
A07B	Determine type of aircraft, capabilities and munitions	0	0	0	0	1	0	0
A07C	Determine when the aircraft will arrive and how long aircraft will remain	0	0	0	0	1	0	0
A07D	Determine Electronic Warfare (EW) capabilities	0	0	0	0	0	1	0
A07E	Determine projected sortie allocation	0	0	0	0	0	1	0
A07F	Determine priority of effort	0	0	0	0	0	0	1
A08	Determine what air is available (MCM 3-3, Vol VIII)	0	0	0	0	0	0	1
A08A	Based on the ATO, and communications with the TACP, AFAC identifies all	0	0	0	1	0	0	0
A08B	Determine type aircraft, capabilities, and munitions	0	0	0	0	1	0	0
A08C	Determine when aircraft will arrive and how long aircraft will remain on	0	0	0	1	0	0	0
A08D	Determine EW assets and capabilities	0	0	0	0	0	1	0
A08E	Determine air priority of effort in the AO	0	0	1	0	0	0	0
A08F	Determine projected tanker support	0	0	0	0	0	1	0

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

AFAC PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
A08G	Determine projected Airborne Warning and Control System (AWACS)							
	0	0	0	0	0	0	1	0
A08H	Determine projected fighter coverage							
	0	0	0	0	0	0	1	0
A08I	Determine projected suppression coverage (JSEAD and Weasel)							
	0	0	1	0	0	0	0	0
A09	Identify air control measures (MCM 3-3, Vol VIII)							
	0	0	0	0	0	0	0	1
A09A	Confirm coordinating altitude (from AGL)							
	0	0	0	0	1	0	0	0
A09B	Confirm air ROE							
	0	0	0	0	1	0	0	0
A09C	Determine restrictions and constraints (such as 'no fly zones', civilian							
	0	0	0	0	1	0	0	0
A09D	Identify the following areas:							
	0	0	0	0	0	0	0	1
A09D1	HIDACZ							
	0	0	0	0	1	0	0	0
A09D2	ROZ							
	0	0	0	0	1	0	0	0
A09D3	Air ingress/egress routes							
	0	0	0	0	1	0	0	0
A09D4	ACAs							
	0	0	0	0	1	0	0	0
A09D5	CPs/IPs							
	0	0	0	0	1	0	0	0
A09D6	Helicopter air corridors							
	0	0	0	0	1	0	0	0
A09D7	MRR							
	0	0	0	0	1	0	0	0
A09D8	Engagement areas							
	0	0	0	0	0	0	1	0
A10	Understand coordinating measures (MCM 3-3, Vol VIII)							
	0	0	0	0	0	0	0	1
A10A	Confirm refueling capability							
	0	0	0	0	0	0	1	0
A10B	Identify the location of holding areas							
	0	0	0	1	0	0	0	0
A10C	Determine available on station time							
	0	0	0	1	0	0	0	0
A10D	Confirm engagement constraints							
	0	0	0	0	1	0	0	0
A11	Determine air tactics to be used (MCM 3-3, Vol VIII)							
	0	0	0	0	0	0	0	1
A11A	Tactics are appropriate to threat							
	0	0	0	1	0	0	0	0

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

AFAC PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
A11A1	High threat-low altitude							
	0	0	0	0	0	0	0	1
A11A2	Low threat-high altitude							
	0	0	0	0	0	0	0	1
A11B	Tactics are appropriate to mission							
	0	0	0	1	0	0	0	0
A11C	Tactics are appropriate to terrain and weather							
	0	0	0	0	1	0	0	0
A12	Coordinate with airspace management agencies (MCM 3-3, Vol VIII; TACM 3-1							
	0	0	0	0	0	0	0	1
A12A	Confirm assigned area of operations							
	0	0	0	0	1	0	0	0
A12B	Determine EW situation							
	0	0	0	0	0	0	1	0
A12C	Confirm radar monitoring capability							
	0	0	0	0	0	0	1	0
A12D	Confirm enemy and friendly ADA situation							
	0	0	1	0	0	0	0	0
A12E	Determine echelon specific restrictions							
	0	0	0	1	0	0	0	0
A12F	Coordinate with Air Support Operations Center (or Airborn Battlefield							
	0	0	0	1	0	0	0	0
A13	Receive Intelligence update (TACM 3-1 V8)							
	0	0	0	0	0	0	0	1
A13A	Update given prior to arrival in area of operations							
	0	0	0	1	0	0	0	0
A13B	Update includes latest information on area of operations							
	0	0	0	1	0	0	0	0
A14	Confirm communications (MCM 3-3, Vol VIII)							
	0	0	0	11	0	0	0	0
A14A	Communications are established with the TACP, air forces (aircraft), Army							
	0	0	1	10	0	0	0	0
A14B	UHF, VHF, FM, HAVE-Quick capability, and authentication are confirmed, as							
	0	0	1	10	0	0	0	0
A15	Coordinate with TACP (TAC Pam 50-22; TAC Pam 50-20)							
	0	0	0	10	0	0	0	1
A15A	Recieve update from TACP							
	0	0	0	8	0	0	0	3
A15A1	Latest CAS information							
	0	0	0	9	0	0	0	2
A15A2	Latest tactical intelligence							
	0	0	1	8	0	0	0	2
A15A3	Ground tactical situation							
	0	0	0	9	0	0	0	2
A15A4	Location of TACP							
	0	0	0	7	0	1	1	2

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

AFAC PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess	
A15A5	Confirm friendly ADA status	0	0	0	8	1	0	0	2
A15A6	Update on current enemy ADA threat	1	1	0	6	1	0	0	2
A15B	Update TACP on air observations	0	0	0	7	0	0	1	3
A16	Analyze Threat Situation (MCM 3-3, Vol VIII)	1	0	0	6	1	0	1	2
A16A	Determine the best method to defeat targets (usually pilot option)	0	0	0	4	1	0	1	5
A16B	Determine the impact of weather on air operations	0	0	0	3	1	1	1	5
A16C	Determine methods to suppress enemy ADA	0	0	0	3	2	0	1	5
A17	Determine ground scheme of maneuver (TAC Pam 50-22)	0	0	0	7	1	0	0	3
A17A	TACP talks AFAC through ground reference points to identify controls,	0	0	1	5	2	0	1	2
A17B	Identify FLOT and /or BPs	0	0	0	3	0	2	4	2
A17C	Identify engagement areas	0	0	0	6	0	0	3	2
A17D	Identify maneuver restrictions, such as axis of advance, boundaries, and	0	0	0	7	0	0	2	2
A17E	Identify location of elements forward of the FLOT or operating	0	0	0	3	0	2	4	2
A17F	Identify methods for marking friendly troop locations	1	0	0	4	0	2	1	3
A18	Analyze targets (MCM 3-3, Vol VIII)	1	0	0	8	0	0	0	2
A18A	Identify location	0	0	0	7	1	0	0	3
A18B	Determine target type	1	0	0	6	1	0	0	3
A18C	Confirm engagement criteria	0	0	0	6	0	0	1	4
A18D	Identify final control authority for each target	0	0	0	6	0	0	1	4
A18E	Determine target elevation (in feet)	0	0	0	6	0	0	1	4
A19	Establish CAS target priorities (FM 6-20)	0	0	0	5	0	0	2	4
A19A	Target selection priorities support both the ground maneuver plan and	0	0	0	5	0	0	0	6
A19B	Target priorities conform with the ground fire support plan	0	0	0	5	0	0	0	6

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

AFAC PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess	
A20	Confirm JSEAD plan (MCM 3-3, Vol VIII)	2	0	0	1	1	0	2	5
A20A	Verify JSEAD requirements	0	0	0	2	0	0	0	9
A20B	Verify planned suppression measures	0	0	0	2	0	0	0	9
A21	Recieve Army Aviation update (TAC Pam 50-22)	0	0	0	3	0	0	6	2
A21A	Identify responsibilities (aviation tasks and plans)	1	0	0	1	0	0	1	8
A21B	Identify constraints/limitations in altitude and routes	1	0	0	1	0	0	1	8
A21C	Confirm capabilities (aircraft, communications, authentication, etc.)	0	0	1	2	0	0	0	8
A21D	Confirm engagement areas	1	0	0	1	0	0	1	8
A21E	Identify critical locations, such as:	1	0	0	1	0	0	1	8
A21E1	Landing zones	0	0	0	1	0	0	0	10
A21E2	FARPs	0	0	0	1	0	0	0	10
A21E3	Battle positions (BPs)	0	0	0	1	0	0	0	10
A21E4	Aerial Observation Positions (AOPs)	0	0	0	1	0	0	0	10
A21F	Determine method of authentication between helicopters and CAS	0	0	0	1	0	0	1	9
A22	Confirm aircraft allocation (MCM 3-3, Vol VIII; TACM 55-46)	1	0	0	0	0	0	7	3
A22A	The following information is confirmed as early as possible:	0	0	0	0	0	0	0	11
A22A1	Type of aircraft	0	0	0	0	0	0	0	11
A22A2	When the aircraft will arrive	0	0	0	0	0	0	0	11
A22A3	Munitions	0	0	0	0	0	0	0	11
A22A4	Number of sorties and station time	0	0	0	0	0	0	0	11
A23	Deconflict airspace (TAC Pam 50-28; FM 100-103)	1	0	0	6	0	0	1	3
A23A	ACO provides for deconfliction of overall airspace into the brigade area	0	0	0	2	0	0	0	9
A23B	Within the brigade AO, brigade plan minimizes potential fratricide	0	0	0	2	0	0	0	9

E9-6

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

AFAC PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
A23C	Plan minimizes the masking of fires for all elements	0	0	0	1	0	1	9
A23D	Plan provides for reaction to aircraft ingressing and egressing the AO	0	0	0	1	0	1	9
A23E	Confirm that all the following assets are operating in concert:	0	0	0	2	0	0	9
A23E1	CAS	0	0	0	2	0	0	9
A23E2	Helicopters (attack, lift, and scout)	0	0	0	2	0	0	9
A23E3	Indirect fires (artillery, mortars, and naval	0	0	0	3	0	0	8
A23E4	ADA	0	0	0	2	0	0	9
A23E5	UAV	0	0	0	1	0	1	9
A24	Confirm airspace control measures (MCM 3-3, Vol VIII; TACR 55-46)	0	0	0	6	0	2	3
A24A	Review airspace control order (ACO) and identify any changes to initial	0	0	0	2	0	0	9
A24B	Identify local airspace restrictions for areas, altitude, times, and routes	0	0	0	2	0	0	9
A24C	Specifically identify ROZs for army aviation operations (FARPs, BPs, etc.)	0	0	0	3	0	0	8
A24D	Monitor status of airfields and specifically identify ROZs for air routes,	0	0	0	2	0	0	9
A24E	Specifically identify no fire areas due to ROE or friendly ground force	0	0	0	3	0	0	8
A24F	Confirm ADA restricted operations areas (ROAs), weapons free zones, and	0	0	0	2	0	0	9
A25	Confirm friendly ADA status (MCM 3-3, Vol VIII; FM 100-103)	0	0	0	3	0	1	3
A25A	Verify current ADA status	0	0	0	2	0	0	9
A25B	Verify procedures to change ADA status	0	0	0	2	0	0	9
A26	Match weapon with target (MCM 3-3, Vol VIII)	1	0	0	4	0	0	3
A26A	Ensure that planned targets are matched with the most appropriate weapon	0	0	0	4	0	0	7
A26B	Confirm that munitions support scheme of maneuver	0	0	0	4	0	0	7
A26C	Sequence attack to conform to established target priorities	0	0	0	4	0	0	7
A26D	Sequence attack to conform to fire support plan	0	0	0	4	0	0	7

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

AFAC PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
A27	Confirm target marking procedures (TAC Pam 50-28)							
	0	0	0	1	0	0	7	3
A27A	Verify marking procedures and ensure understanding of distinction between							
	0	0	0	0	0	0	0	11
A27B	Confirm the utility of using target marking methods such as laser, smoke,							
	0	0	0	0	0	0	0	11
A27C	Verify terrain features for ease of identification							
	0	0	0	0	0	0	0	11

TASK REMARKS COMPARISON, ROTATION SUMMARY

AFAC PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Task Description	Mission	O/C	Remarks
A01REM	Analyze the tactical situation (MCM 3-3, Vol VIII)	DEFENSE	BLUE2	THIS WOULD NOT BE POSSIBLE WITHOUT A GLO. I CAN NOT OVERSTRESS HOW IMPORTANT IT IS TO HAVE AL GLO IN THE SQUADRON.
A02REM	Determine the friendly situation (MCM 3-3, Vol VIII)	DEFENSE	BLUE2	A.2) SCOUT POSITIONS UNKNOWN. A.3) NEED MAX ORD AND LINE OF FIRE IF ARMY IS RELUCTANT TO PASS COORDINATES OF ARTY. A.7) ACA LISTING IS VERY GOOD.
A05REM	Determine the EW threat (MCM 3-3, Vol VIII)	DEFENSE	BLUE2	WE DO HAVE EXTRA FREQUENCY TO USE IN CAS OF JAMMING, BUT -- WE ARE NOT ALLOWED TO USE 'HAVEQUICK' UHF RADIOS.
A07REM	Determine what air is planned (MCM 3-3, Vol VIII)	DEFENSE	BLUE2	F. THIS MAY BE ABOVE THE AFAC'S PAY GRAD. HIS IS GIVEN A TASKING JUST LIKE EVERYONE ELSE.
A08REM	Determine what air is available (MCM 3-3, Vol VIII)	DEFENSE	BLUE2	C. USUALLY NOT SURE OF THIS UNTIL WE TALK WITH THE GFAC. THERE DOES NOT APPEAR TO BE A COORDINATED EFFORT. I. AFAC HAS TO CONVINCE THE GFAC TO WORK SEAD.
A11REM	Determine air tactics to be used (MCM 3-3, Vol VIII)	DEFENSE	BLUE2	A.1), 2) BECAUSE OF SA-8, THREAT CHANGES QUICKLY.
A12REM	Coordinate with airspace management agencies (MCM 3-3, Vol VIII; TACM 3-1 V8)	DEFENSE	BLUE2	D. SA-7/14 ARE EVERYWHERE. NEVER SURE IF SA-8 IS THERE UNTIL IT LOCKS ON TO YOU. F. TACPS GENERALLY DO NOT KEEP WOLFMAN INFORMED TO THE EXTENT THE SHOULD. PART OF THE IS WOLFMAN'S FAULT. WE DO NOT INSIST ON THE REPORTS.
A14REM	Confirm communications (MCM 3-3, Vol VIII)	FORCED ENTRY	H01	ANIDOTE 21B WAS NOT ABLE TO AUTHENTICATE.
		FORCED ENTRY	H01	BOAR 21/22 CHECKED IN AT 170117L. SENT TO ANTIDOTE 21. BOAR HAD TROUBLE MAKING CONTACT WITH ANTIDOTE SINCE BOAR WAS WORKING ON THE D-1 TADS. WOLFMAN SENT BOAR THE CORRECT FREQ IN THE CLEAR. ANTIDOTE 21 HAD NOTHING FOR THEM, WENT TO ANTIDOTE 20/22. DI
		DEFENSE	H01	BOAR 11/12/13 CHECKED IN AT 212000L. WORKED WITH ANIDOTE 21A AND SPECTAR (AIRBORN HELO). BOAR 11 FLIGHT CHECKED OUT AT 212114L. WAS UNABLE TO HEAR THE BOAR FLIGHT AT THIS STATION. NO DATA WAS COLLECTED DUE TO COMMO PROBLEM.
		DEFENSE	H01	SWINE 26 CHECKED IN AT 220635L. SWINE 26 WORKED WITH HARDROCK 60 AND ANTIDOTE 21.
		DEFENSE	H01	BOAR 11/12 CHECKED IN AT 222053L. SENT TO ANTIDOTE 20.
		OFFENSE	H01	PUMA 11 AFAC CHECKED IN AT 251025L. SENT TO ANTIDOTE 22. WORKING SWINE 21/22.

TASK REMARKS COMPARISON, ROTATION SUMMARY

AFAC PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Task Description	Mission	O/C	Remarks
	OFFENSE		H01	PUMA 21 GOT UPDATE FROM PUMA 11. DIRECTED DROP FROM SWINE 11/12 ON DO #7. WENT TO RL AND BACK TO ANTIDOTE TO DO VR. DIDN'T FIND ANYTHING ELSE.
	OFFENSE		H01	PUMA 14 CHECKED IN. SENT TO ANTIDOTE 21 AND ANTIDOTE 20. WORKED SWINE 23/24 FLIGHT.
	OFFENSE		H01	PUMA 11 AFAC CHECKED IN, SENT TO ANTIDOTE 21. WX A FACTOR 1000 OVER 6 MILES. A-20B CALLED OVER HF WITH A FIRE MISSION. FRIENDLY NOT A FACTOR. PUMA 11 WILL WORK SWINE 21/22. PUMA 11 AND SWINE 21 UNABLE TO GET UNDER WX RTB AT 0844L.
	OFFENSE		H01	PUMA 11 CHECKED IN AT 0615L. SENT TO ANTIDOTE 21B, WHO IS FORWARD ON A PORTABLE.
	OFFENSE		H01	PUMA 12 CHECKED IN AT 0640L. WORKING WITH P 11. P 12 TOOK OVER WHEN P11 WAS KILLED AT APPROX 0646L. P 12 SHOT AND TAKEN OUT BY SA-8.
A15REM	Coordinate with TACP			(TAC Pam 50-22; TAC Pam 50-20)
	FORCED ENTRY		H01	BOAR 11/12 CHECKED IN WITH 2100L WITH ANNIDOTE 20A. BOAR 11/12 CHECKED OUT 2200L. FLIGHT DID VR WITH ANIDOTE BUT DID NOT FIND ANY TARGETS.
	OFFENSE		H01	TACP DIO NOT KNOW ANYTHING ABOUT SA-8.
	OFFENSE		H01	PUMA 12 RECEIVED UPDATE FROM PUMA 11.
	OFFENSE		H01	PUMA HAD AR OVERLAY, KNEW PHASE LINE. PUMA DID GOOD JOB OF UPDATING THREAT. NO FIRE AREA 095398/098374. TARGETS AROUND OBJ BEAR.
	OFFENSE		H01	ANTIDOTE 21 GAVE PUMA 11 6 GRIDS. FRIENDLY NO FACTOR.
	OFFENSE		H01	UNABLE TO HEAR ANTIDOTE 21A AT MY LOCATION. PUMA REPORTED THAT 21A VERY SLOW WITH INFO. NO REPORTED THREATS BY 21A. P 11 SHOT BY SA-8. P 11 REPORTS 21A VERY SLOW TO GIVE GUN TGT LINE AND MARK ORD.
A16REM	Analyze Threat Situation			(MCM 3-3, Vol VIII)
	FORCED ENTRY		H01	NO TARGETS FOUND.
	OFFENSE		H01	AFAC TOLD TACP THE SA-8 WAS PRIMARY TARGET. AFTER AFAC WAS TAKEN OUT, WOULD NOT COME BACK WITHOUT TTR SUPPORT. IDENTIFIED THE SA-8 AND DROPPED 6 MK-82S. KILLED SA-8.
	OFFENSE		H01	WX CLEAR AND A MILLION FLIGHT BEFORE TOOK OUT GRETTE (SA-8). SA-8 GRID 119363.
	OFFENSE		H01	SEEMED TO TAKE A LONG TIME BEFORE SA-8 WAS TAKEN OUT.
A17REM	Determine ground scheme of maneuver			(TAC Pam 50-22)
	FORCED ENTRY		H01	101 AB IS NOT IN THE AO AT THIS TIME SO A17F WAS NO A FACTOR.
	OFFENSE		H01	AFAC AND TACP TALKED OVER WHAT AFAC SAW.
	OFFENSE		H01	TACP GAVE PUMA TGT OF ENG VEHICLES GRID 70536.
	OFFENSE		H01	HAD ARMY OVERALY, KNEW PHASE LINES ETC. AFAC (PUMA) PASSED OBSTACLES TO TACP.
	OFFENSE		H01	TAQCP REPORTED BY AFAC AS VERY SLOW.
A18REM	Analyze targets			(MCM 3-3, Vol VIII)
	DEFENSE		H01	SWINE 26 WORKED WITH HARDROCK AND ANTIDOTE.

TASK REMARKS COMPARISON, ROTATION SUMMARY
 AFAC PLANNING & PREPARATION TASKS, ALL LEVELS
 ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Task Description	O/C	Remarks
			ALL TARGETS WERE VISUAL RECCE.
			NO TGT WERE DROPPED ON.
	OFFENSE	H01	TGT ENGINEERING VEHICLES. DROPPED BOMBS 200 M ESE OF DO #7.
	OFFENSE	H01	TARGET OBJ BEAR. 150 ROUNDS OF 30 MM ON 092376.
	OFFENSE	H01	9 L ON SA-8 GIVEN BY A20, ALSO USED SEAD.
A19REM	Establish CAS target priorities (FM 6-20)		
	OFFENSE	H01	NO CAS, ONLY AI.
A20REM	Confirm JSEAD plan (MCM 3-3, Vol VIII)		
	OFFENSE	H01	PUMA 11 ENGAGED BY GRETTA AT 1055L. REMOVED BY T01 AT 1057 FOR MINUTES. GRETTA SAID NO FLARES OR EVASIVE ACTION. GRETTA IDENTIFIED AND TAKEN OUT BY A-10S.
	OFFENSE	H01	PUMA 11 PASSED TO P-12 UPDATE ABOUT SA-8. P-12 ASKED ABOUT FS TO ANTIDOTE.
	OFFENSE	H01	TACP CALLED FOR JSEAD WITH AFAC/FTRS.
	OFFENSE	H01	P 11 REQUESTS SEAD ON SA-8 TO TACP.
	OFFENSE	H01	REQUESTED JSEAD. BUT AVN TOOK OUT SA-8.
A21REM	Recieve Army Aviation update (TAC Pam 50-22)		
	FORCED ENTRY	H01	BOAR 11/12 TALKED TO ANIDOTE WHO WAS IN A HELO SO A MODIFIED AVN UPDATE WAS PASSED HOWEVER THE SECOND AVN UNIT WAS NOT ABLE TO AUTHENICATE.
	OFFENSE	H01	NO AVN INFO PASSED.
	OFFENSE	H01	NO AVN.
	OFFENSE	H01	NO AVN INFO PASSED EVEN THOUGH THERE WAS A LOT OF AVN FLYING. 0721 BEARCAT GAVE SA-8 GRID 118360.
	OFFENSE	H01	P 12 REQUESTED AVN FREQ FOR JAAT ON SA-8 TO A-20. WENT TO AVN FREQ, BUT NO CONTACT. SWINE 21 NOT CHECKED OUT FOR JAAT.
A22REM	Confirm aircraft allocation (MCM 3-3, Vol VIII;TACM 55-46)		
	FORCED ENTRY	H01	NOT SURE WHY THIS TASK IS IN THE AFAC/CAS CHECKLIST.
A23REM	Deconflict airspace (TAC Pam 50-28;FM 100-103)		
	FORCED ENTRY	H01	NO AIRSPACE TO DECONFLICT.
	DEFENSE	H01	WHILE BOAR 11/12 ON STATION COUGAR 32/33/34 ARRIVED. DID NOT WORK TOGETHER.
	OFFENSE	H01	PUMA 11 PASSED ON ALL INFO TO PUMA.
	OFFENSE	H01	PUMA 11 DECONFLICTED AIR SPACE WITH PUMA 21.
	OFFENSE	H01	PUMA PASSED 3 NO FIRE AREAS TO SWINE.
A26REM	Match weapon with target (MCM 3-3, Vol VIII)		
	OFFENSE	H01	ENGINEER VEHICLES AND MK-82S.
	OFFENSE	H01	MK-82, 50 MM.
	OFFENSE	H01	NO WPN EXPENDED WHILE P 11ON STATION.
	OFFENSE	H01	S 21 4 MK 82 ON 115367 AT 0813L TENTS,.
			S 22 4 MK 82 ON 115367.
A27REM	Confirm target marking procedures (TAC Pam 50-28)		
	FORCED ENTRY	H01	NO TARGETS FOUND.
	OFFENSE	H01	NO CAS, ONLY AI IN TGT AREA.
	OFFENSE	H01	NO TGT DROPPED ON.

E 9-11

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

CAS EXECUTION PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
GA36	Establish communications with CAS (TAC Pam 50-28; TAC Pam 50-20)							
	0	0	1	6	0	0	0	6
GA36A	Confirm/establish communications with incoming CAS (fighters)							
	0	0	0	7	0	0	0	6
GA36A1	Conduct authentication							
	0	0	1	6	0	0	0	6
GA36A2	Activate Chattermach (alternate frequency) plan							
	0	0	0	3	0	3	1	6
GA36B	Continuous communications are maintained between the following:							
	0	0	0	4	0	0	0	9
GA36B1	CAS and FAC							
	0	0	0	7	0	0	0	6
GA36B2	FAC and TACP							
	0	0	0	7	0	0	0	6
GA36B3	TACP and command group							
	0	0	1	2	0	4	0	6
GA36C	Army Aviation maintains communication with the following:							
	0	0	0	1	0	3	0	9
GA36C1	Command group							
	0	0	0	2	0	5	0	6
GA36C2	TACP							
	0	1	0	2	0	4	0	6
GA36C3	FAC (if JAAT)							
	0	0	1	2	0	4	0	6
GA37	Confirm Fighter line-up (TAC Pam 50-22)							
	0	0	0	7	0	0	0	6
GA37A	Call sign							
	0	0	0	6	0	0	0	7
GA37B	Mission number							
	0	0	0	6	0	0	0	7
GA37C	Ordnance and fusing							
	0	0	0	6	0	0	0	7
GA37D	On station time (playtime)							
	0	0	0	6	0	0	0	7
GA37E	Abort code							
	0	0	0	6	0	0	0	7
GA38	Deconflict airspace (TAC Pam 50-28)							
	0	0	0	5	0	0	0	8
GA38A	Shift or lift indirect fires							
	0	0	0	1	0	5	0	7
GA38B	Shift other air assets, such as helicopters or UAVs							
	0	0	0	1	0	5	0	7
GA38C	Update ADA status							
	0	0	0	4	0	2	0	7
GA38D	Establish CAS holding points							
	0	0	0	6	0	0	0	7

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY
 CAS EXECUTION PLANNING & PREPARATION TASKS, ALL LEVELS
 ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess	
GA38E	Prepare to stack fighters	0	0	0	1	0	5	0	7
GA38F	Avoid air drop/air land ROZs	0	0	0	1	0	5	0	7
GA39	React to delay of aircraft (TAC Pam 50-28)	0	0	0	1	0	7	0	5
GA39A	Confirm new time	0	0	0	2	0	3	0	8
GA39B	Determine changes in ground situation	0	0	0	2	0	3	0	8
GA39C	Confirm targets	0	0	0	2	0	3	0	8
GA39D	Develop new targets	0	0	0	2	0	3	0	8
GA39E	Activate contingency plans	0	0	0	1	0	4	0	8
GA40	Announce arrival of friendly air (MCM 3-3, Vol VIII)	0	0	1	6	0	1	0	5
GA40A	AFAC Notify TACP	0	0	0	6	0	0	0	7
GA40B	TACP notify command group	1	0	0	1	0	4	0	7
GA41	Identify target priorities to pilots (TAC Pam 50-22)	0	0	1	7	0	0	0	5
GA41A	Ensure that pilots understand target priorities	0	0	1	4	0	0	0	8
GA41B	Ensure that pilots understand CAS attack sequence	0	0	1	4	0	0	0	8
GA42	Control CAS during Army Aviation mission (TAC Pam 50-20)	0	0	0	2	0	6	0	5
GA42A	Confirm call signs for all aircraft	0	0	0	4	0	0	0	9
GA42B	Confirm JFIRE/JAAT targets	0	0	0	2	0	2	0	9
GA42C	Confirm target locations for:	0	0	0	2	0	1	0	10
GA42C1	CAS	0	0	0	4	0	0	0	9
GA42C2	Army Aviation	0	0	0	0	0	4	0	9
GA42C3	Indirect fires	0	0	0	0	0	4	0	9
GA42D	Confirm target marking procedures	0	0	1	2	0	1	0	9
GA42E	Confirm friendly location marking procedures	0	0	0	3	0	1	0	9

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY
CAS EXECUTION PLANNING & PREPARATION TASKS, ALL LEVELS
ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
GA43	Brief JFIRE (9 Line) to aircraft at IP/CP (MCM 3-3, Vol VIII)							
	0	0	0	7	0	1	0	5
GA43A	Briefing follows prescribed format							
	0	0	0	4	0	0	0	9
GA43B	CAS aircraft have current information on the following:							
	0	0	0	2	0	0	0	11
GA43B1	Targets							
	0	0	0	4	0	0	0	9
GA43B2	Friendly situation							
	0	0	0	4	0	0	0	9
GA43B3	Hazards (ADA, enemy, indirect fires, etc.)							
	0	0	2	2	0	0	0	9
GA44	Confirm friendly locations with aircraft (TAC Pam 50-22;MCM 3-3,Vol VIII)							
	0	0	0	7	0	0	0	6
GA44A	TACP coordinates with S3/FSO on last known friendly locations and friendly							
	0	0	0	0	0	4	0	9
GA44B	TACP transmits information to AFAC, who forwards to attack aircraft							
	0	0	0	4	0	0	0	9
GA44C	Pilots can identify FLOT							
	0	0	0	4	0	0	0	9
GA44D	Pilots can identify location of elements forward of the FLOT							
	0	0	1	3	0	0	0	9
GA44E	Pilots are aware of other aircraft in the area							
	0	0	0	4	0	0	0	9
GA44F	Pilots understand the danger close (1000 meters) criteria							
	0	0	0	2	0	2	0	9
GA45	Confirm target locations with aircraft (TAC Pam 50-22;MCM 3-3, Vol VIII)							
	0	0	0	8	0	0	0	5
GA45A	Ensure that CAS aircraft can identify the targets							
	0	0	0	4	0	0	0	9
GA45B	Designate targets:							
	0	0	0	4	0	0	0	9
GA45B1	By grid							
	0	0	0	5	0	0	0	8
GA45B2	From known terrain feature							
	0	0	0	5	0	0	0	8
GA45B3	By marking designator							
	0	0	1	2	1	1	0	8
GA46	Initiate JSEAD effort (MCM 3-3, Vol VIII)							
	0	0	0	0	0	8	0	5
GA46A	Execute prior to CAS attack							
	0	0	0	0	0	4	0	9
GA46B	Confirm targets							
	0	0	0	0	0	4	0	9
GA46C	Confirm method of attack							
	0	0	0	0	0	4	0	9

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

CAS EXECUTION PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
GA46C1	CAS	0	0	0	0	4	0	9
GA46C2	Army Aviation	0	0	0	0	4	0	9
GA46C3	Indirect fires (Artillery, Naval gunfire)	0	0	0	0	4	0	9
GA46C4	Electronic warfare	0	0	0	0	4	0	9
GA46D	Confirm effectiveness of attack	0	0	0	0	4	0	9
GA47	Confirm attack approval from ground commander (TAC Pam 50-28)	0	0	1	3	0	4	5
GA47A	Ensure ground commander is aware of the target type and location	0	0	0	1	0	3	9
GA47B	Ensure ground commander is aware of the time of attack and munitions to be	0	0	1	0	0	3	9
GA47C	Ensure ground commander is aware of closest friendly unit to the attack and	0	0	1	0	0	3	9
GA48	Issue attack clearance (MCM 3-3, Vol VIII)	0	0	0	7	0	1	5
GA48A	Identify final authority	0	0	0	3	0	0	10
GA48B	Confirm abort code	0	0	0	2	0	1	10
GA48C	Confirm type of clearance	0	0	0	3	0	0	10
GA48C1	Depart IP	0	0	0	3	0	0	10
GA48C2	On Final	0	0	0	3	0	0	10
GA48C3	Flight Lead Control	0	0	0	2	0	1	10
GA49	Confirm target approach (MCM 3-3, Vol VIII)	0	0	1	5	0	2	5
GA49A	Ensure that the ground forces confirm the air corridor, attack altitude,	0	0	1	2	0	1	9
GA49B	Ensure that the air forces confirm the air corridor, attack altitude, and	0	0	1	2	0	1	9
GA50	Direct attack on targets (TAC Pam 50-28)	0	0	0	7	0	1	5
GA50A	Execute JSEAD	0	0	0	1	0	2	10
GA50B	Direct CAS to targets	0	0	0	3	0	0	10
GA50C	Identify targets for aircraft using smoke, laser, geographic references,	0	0	0	2	0	1	10

TASK ASSESSMENT DISTRIBUTION, ROTATION SUMMARY

CAS EXECUTION PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task#	Not Done	Not ADQ	Marg ADQ	ADQ	SUP	Not OBS	Not APP	Not Assess
GA51	Continuously update aircraft (TAC Pam 50-28;TAC Pam 50-20)							
	0	0	2	6	0	0	0	5
GA51A	Anticipate ground maneuver speed							
	0	0	2	1	0	2	0	8
GA51B	Continuously give aircraft known and probable locations of enemy forces							
	0	0	2	3	0	0	0	8
GA51C	Continuously give aircraft locations of friendly forces							
	0	0	2	3	0	0	0	8
GA51D	Continuously update aircraft on the ground tactical situation							
	0	1	1	1	0	2	0	8
GA52	Request pilot observations (MCM 3-3, Vol VIII)							
	0	0	0	8	0	0	0	5
GA52A	Determine size of enemy forces							
	0	0	1	3	0	0	0	9
GA52B	Determine enemy disposition							
	0	0	1	3	0	0	0	9
GA52C	Determine type of enemy force							
	0	0	1	3	0	0	0	9
GA52D	Identify movement							
	0	0	1	3	0	0	0	9
GA53	Disseminate pilot observations (MCM 3-3, Vol VIII)							
	0	0	1	2	0	5	0	5
GA53A	TACP receives pilot tactical observations							
	0	0	1	2	0	1	0	9
GA53B	TACP ensures all pilot tactical observations are immediately passed to the							
	0	0	1	1	0	2	0	9
GA54	Determine Battle Damage Assessment (TAC Pam 50-22;MCM 3-3, Vol VIII)							
	0	0	0	3	0	5	0	5
GA54A	Identify friendly aircraft losses							
	0	0	0	3	0	1	0	9
GA54B	Identify enemy personnel and equipment losses by type, estimated quantity,							
	0	0	0	2	0	2	0	9
GA55	Execute FAC handoff (TAC Pam 50-28;TAC Pam 50-22;MCM 3-3, Vol VIII)							
	0	0	0	8	0	0	0	5
GA55A	Designate FAC responsibilities (in cases of multiple FACs)							
	0	0	0	3	1	0	0	9
GA55B	Update incoming FAC on situation							
	0	0	0	4	0	0	0	9
GA55C	Ensure continuous and unimpeded CAS support							
	0	0	1	3	0	0	0	9
GA55D	GFAC prepared to assume direct control of aircraft							
	0	0	0	3	0	1	0	9

TASK REMARKS COMPARISON, ROTATION SUMMARY

CAS EXECUTION PLANNING & PREPARATION TASKS, ALL LEVELS

ROTATION: J945, UNIT: All, MISSION: All, TRAINING DAY: All, O/C: All

Task# Task Description

Mission O/C Remarks

GA36REM Establish communications with CAS (TAC Pam 50-28;TAC Pam 50-20)

FORCED ENTRY T06 A.1) ONE E+ AIRCRAFT LOST AUTHENTICATION CARD.
B.3) NO CONTACT WITH WOLFMAN (ASOC).
C.2) NO CONTACT WITH TACP DESPITE PRIOR COORDINATION FOR JAAT.
C.3) CHECKED IN WITH FAC BUT THEN LEFT FREQ.

FORCED ENTRY T01 WEATHER CANCELLED D+1: NO FLIGHTS

DEFENSE T01 WEATHER CANCEL: NO FLIGHTS.

OFFENSE T01 WEATHER CANCEL: NO FLIGHTS.

OFFENSE T01 WEATHER CANCEL: NO FLIGHTS.

OFFENSE T01 WEATHER CANCEL: NO FLIGHTS

GA45REM Confirm target locations with aircraft (TAC Pam 50-22;MCM 3-3, Vol VIII)

FORCED ENTRY T06 B.3) USE OF IR MARKING EXCELLENT.

GA46REM Initiate JSEAD effort (MCM 3-3, Vol VIII)

FORCED ENTRY T06 ALTHOUGH PREPLANNED, JAAT DID NOT TAKE PLACE DUE TO ARMY AVIATION ASSETS OFF PREPLANNED FREQUENCY.

GA47REM Confirm attack approval from ground commander (TAC Pam 50-28)

FORCED ENTRY T06 NO MUNITIONS EXPENDED OR ATTACKS INITIATED -- GROUND CDR INITIALLY UNAWARE THAT NIGHT CAS WAS OVERHEAD.

GA49REM Confirm target approach (MCM 3-3, Vol VIII)

FORCED ENTRY T06 TACP EXECUTED PREPLANNED AIRSPACE.

GA51REM Continuously update aircraft (TAC Pam 50-28;TAC Pam 50-20)

FORCED ENTRY T06 TACP WAS LARGELY IGNORANT OF GROUND FORCE OR ENEMY LOCATION, BUT TOLD CAS THAT THE AIR ASSAULT PLAN WAS OFF SCHEDULE DUE TO ENEMY RESISTANCE.

OFFENSE T06 NEVER HEARD GROUND SITUATION BRIEFED TO AFAC OR CAS.

GA52REM Request pilot observations (MCM 3-3, Vol VIII)

FORCED ENTRY T06 NIGHT CAS A-10S WERE USED IN VISUAL RECCE MODE BUT WERE UNABLE TO LOCATE ENEMY.